UNIVERSIDAD TÉCNICA FEDERICO SANTA MARÍA
SEDE VIÑA DEL MAR
JOSÉ MIGUEL CARRERA

SOFTWARE MULTIFUNCIONAL PARA ADMINISTRACIÓN DE RESTAURANTE "EL RINCÓN CRIOLLO"

Trabajo de título para optar al título de Técnico Universitario en Informática

Alumno:
Francisco López Garay
Profesor guía:
Dagoberto Cabrera Tapia

2022

RESUMEN

El objetivo de este trabajo de título es el de crear una herramienta informática para la administración de labores en un restaurante, en este caso "El Rincón Criollo".

La meta principal de esta aplicación es llevar un buen control de los platos disponibles en el restaurante, así también sus materias primas correspondientes (ingredientes).

Permitirá un proceso de realización de pedidos más cómodo tanto para el funcionario como para el cliente.

Este sistema administrador está desarrollado con JAVA el cual es un lenguaje de programación orientado a objetos (POO), además es multiplataforma y es uno de los lenguajes más usados a nivel mundial. Este lenguaje fue tratado con la IDE (Entorno de Desarrollo Integrado) NetBeans 8.2 el cual además de contener los elementos básicos de cualquier IDE (editor de código fuente, herramientas de construcción automática y depurador) incluye un compilador y un intérprete. La base de datos utiliza el motor MYSQL el cual es un sistema de gestión de base de datos relacional.

Capitulo l: Describe la empresa en la que está pensada este proyecto (El rincón Criollo), muestra la manera en que operan actualmente por ej: escribiendo los pedidos en comandas, haciendo todos los cálculos de los pedidos manualmente, entre otros aspectos que serán mencionados.

Además, se dan a conocer las funciones propuestas del programa que facilitaran las operaciones del restaurante tales como un sistema de control de stock y de platos, sistema de registro de pedido, sistema de caja, además de otras funciones que se detallan.

Capítulo 2: Se detallará el medioambiente de trabajo, tanto en aspectos de hardware (procesador Intel Core i3 1,9 GHz 4GB de memoria RAM, etc.) como en aspectos de software (sistema operativo Windows 1 0, NetBeans 8.2, etc.), así como los requisitos mínimos para la correcta ejecución de este programa (Sistema operativo Windows 7, 2GB de memoria RAM, etc.). Se detallan las tablas de datos con toda la información que será empleada y almacenada en la base de datos.

Capítulo 3: Se describe la arquitectura del programa detallando las funciones que lo componen (frmPedido el cual es el módulo para la realización y registro de pedidos, frmUsuarios para el registro de nuevos usuarios que tengan acceso al programa, etc.), además incluir algunas visiones generales de estas (imágenes de las funciones en ejecución).

Conclusiones: Se habla acerca de los resultados finales del trabajo, de los objetivos conseguidos (realización del programa, implementación correcta de las funciones, etc.). Se muestra una bibliografía que contiene las fuentes principales de donde se obtuvo la información para aprender a realizar este proyecto y obtener nuevas ideas que lo ayudaran cumplir de mejor manera su deber.

ÍNDICE

Contenido **Página**

Introducción. 1

Capítulo1: 2

1. Aspectos relevantes del análisis 3

1.1 Descripción de la organización. 3

1.1.1 Aspectos Generales 3

1.2 Descripción de la situación actual 5

1.2.1 Realización del pedido. 5

1.2.2 Control de stock de bodega. 7

1.2.3 Compra de mercadería. 7

1.2.4 Platos y bebestibles. 7

1.3 Problemas detectados 9

1.4 Descripción del sistema propuesto 10

1.4.1 Objetivo general del sistema 10

1.4.2 Objetivos específicos del sistema 10

1.4.3 Descripción General de la solución propuesta. 10

1.4.4 Funcionalidades del sistema 11

1.4.5 Entradas y salidas. 13

1.4.6 Modelo de datos. 14

1.4.7 Estructura de código 15

1.4.8 Condicionante del diseño. 16

Capítulo 2: 17

2. Medioambiente computacional y descripción de la base de datos 18
2.1 Descripción de las características del recurso computacional 18
2.1.1 Descripción de hardware utilizado. 18
2.1.2 Descripción del software y utilitarios utilizados. 19
2.2 Descripción de tablas del sistema 20
2.2.1 Pedido 20
2.2.2 Mesa 21
2.2.3 Pedido_Boleta 21
2.2.4 Boleta 22
2.2.5 Mesero 22
2.2.6 Prod_pedido 23
2.2.7 Producto 23
2.2.8 Uso_insumo. 24
2.2.9 Insumo 24
2.2.10 Prov-insumo. 24
2.2.11 Proveedores. 25

Capítulo 3: 26
3. Estructura general del sistema 27
3.1 Diagrama modular. 27
3.2 Diagrama de menús. 28
3.3 Tabla de programas. 29
3.4 Descripción detallada de programas 30
Conclusiones. 37
Bibliografía. 38
Anexo.
Querys.
Clases.
Formas.

INTRODUCCIÓN

Mediante este trabajo, se realizó una investigación desde el punto de vista informático de la actualidad del restaurante llamado "El rincón Criollo" que es un restaurante familiar ubicado cerca del Santuario Lo Vázquez, en las afueras de Casablanca, se investigó acerca de su negocio, los platos que ofrece a sus clientes, la forma en que opera diariamente considerando las labores de sus funcionarios.

El restaurante actualmente funciona con un sistema de manejo de información que es deficiente, ya que les genera diversos tipos de problemas, como la pérdida de información en general y problemas con la atención al cliente.

La meta propuesta con este proyecto es proveer una herramienta computacional que simplifique las labores, principalmente la realización del pedido mediante una pantalla para el garzón quien enviará el pedido a cocina, éste será impreso. Además, se quiere llevar el control de stock, todo esto con el objetivo de lograr mejorar el ambiente de trabajo, y que a la vez el sistema sea sencillo y confiable para el usuario.

Para llevar esta labor a cabo, se indagará acerca de cada una de las funcionalidades básicas con que debe contar un programa para atención de restaurantes, así como también las preferencias y sugerencias de su administrador.

Se utilizarán 3 computadores para poder llevar a cabo este sistema, uno para caja, cocina y para el garzón.

El objetivo de este proyecto es desarrollar un sistema informático para la optimización de las labores de un restaurante, desde agregar ingredientes a un sistema de stock más automatizado, hasta realizar pedidos por medio de pantalla y calcular inmediatamente sus valores.

Capítulo 1

En este capítulo se detalla información acerca del restaurant "El rincón Criollo" en el cual fue pensado este proyecto, se mencionarán aspectos relevantes acerca de su origen, la manera en la que operan actualmente detallando todos los procesos que se realizan y mencionando las fallas que fueron detectadas. Además, se hablará también del sistema que fue pensado para solucionar esas fallas y como planea hacerlo.

1. ASPECTOS RELEVANTES DEL ANALISIS

1.1 Descripción de la organización

l.1.1 Aspectos generales.

El restaurant "El Rincón Criollo" es un local fundado en octubre del 2015, se ubica en Parcela Las Golondrinas, Lo Vásquez, Casablanca (Ver Figura l-1). Es un restaurante que ofrece una variedad de comidas principalmente típicas del territorio chileno. Es un emprendimiento familiar en el cual trabajan el dueño del local, su madre y su esposa.

Poco a poco el negocio ha ido creciendo y actualmente cuenta con un ayudante de cocina, y dos garzones.

La administración está conformada solamente por el dueño, quien se encarga de todas las labores administrativas e internas del restaurant tales como la producción, manipulación de alimentos, servicio al cliente, etc.

El restaurante consta de 3 ambientes, el comedor cerrado, terraza cerrada (Ver figura 1-2) y terraza abierta al aire libre (Ver figura 1-3), el comedor cerrado está constituido por 3 mesas, la terraza cerrada por 5 mesas y la terraza abierta por 6 mesas.
El objetivo del restaurant es satisfacer la necesidad de las familias que buscan un lugar tranquilo, típico y principalmente con comida casera.

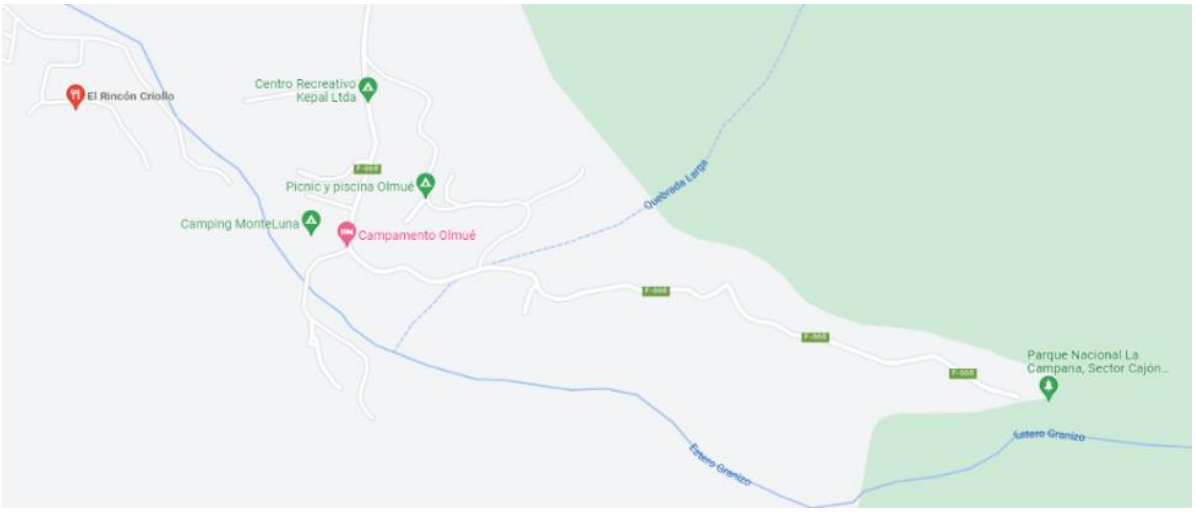


Figura 1-1 Mapa de Google "El Rincón Criollo"



Figura 1-2 Terraza cerrada "El Rincón Criollo"



Figura 1-3 Terraza abierta "El Rincón Criollo"

1.2 Descripción de la situación actual

El restaurant "El rincón Criollo" utiliza un sistema manual, en el cual los garzones toman los pedidos en una comanda, en la cual registran el pedido del cliente, luego lo informan a la cocina y proceden a realizar el plato pedido. A continuación, se detallará la situación actual del restaurant.

1.2.1 Realización del pedido.

El sistema de realización de pedido es una función fundamental en cualquier negocio de este rubro, en este local es realizado manualmente.

- Cuando el cliente escoge su mesa, el garzón le entrega la carta y le sugiere el menú diario.
- El cliente elije desde la carta, lo que desea servirse y llama al garzón para que tome su pedido.
- El garzón, en una comanda escribe en forma detallada el pedido del cliente y el nº de mesa y la lleva directamente a cocina. (Ver figura 1-4).

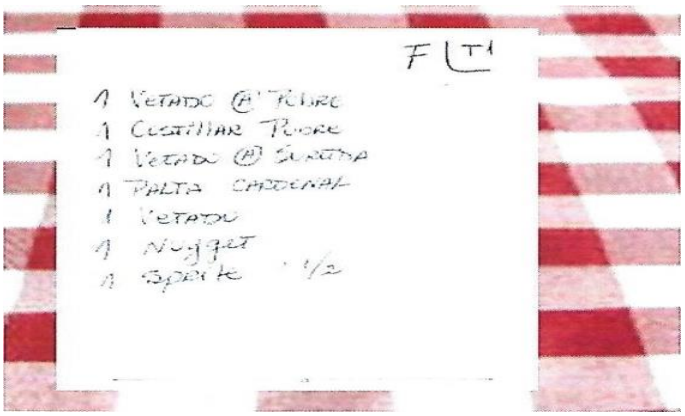


Figura 1-4 Comanda usada por el garzón.

- En cocina atienden el pedido según el orden de llegada
- Cuando el pedido está listo, desde la cocina se da aviso al garzón para retirarlo y entregarlo a la mesa correspondiente.
- Cuando algún cliente pide la cuenta de su pedido, el garzón debe verificar el valor de cada producto (o platillo) en el menú, o con el pasar del tiempo memorizan los valores, y debe calcular el monto total. (Ver figura 1-5).

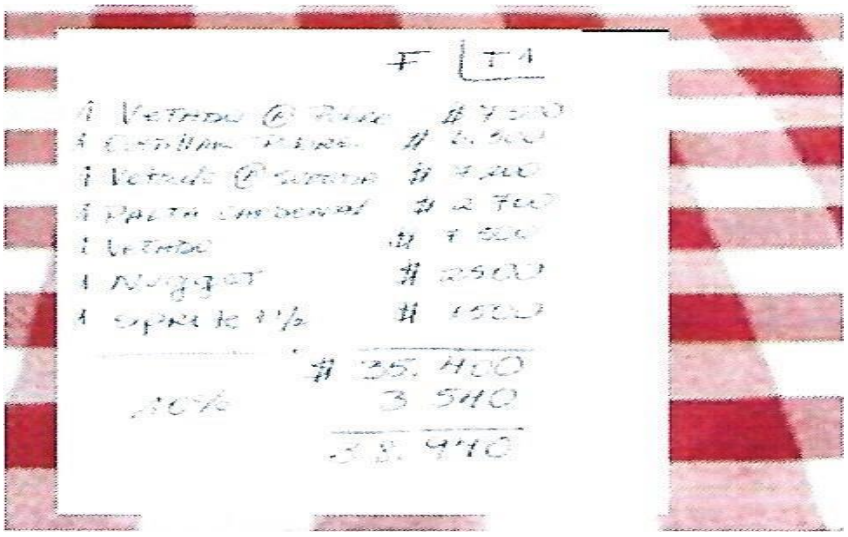


Figura 1.5 Comanda con el cálculo del total.

El garzón realiza la boleta, junto con el detalle de pedido y lo lleva a la mesa, (el detalle no incluye información de propina lo cual se menciona al cliente)

El cliente tiene 2 formas de pago: efectivo o sistema Transbank.

El garzón hace entrega de la boleta al cliente y se deja una copia guardada en un talonario. (Ver figura 1-6)

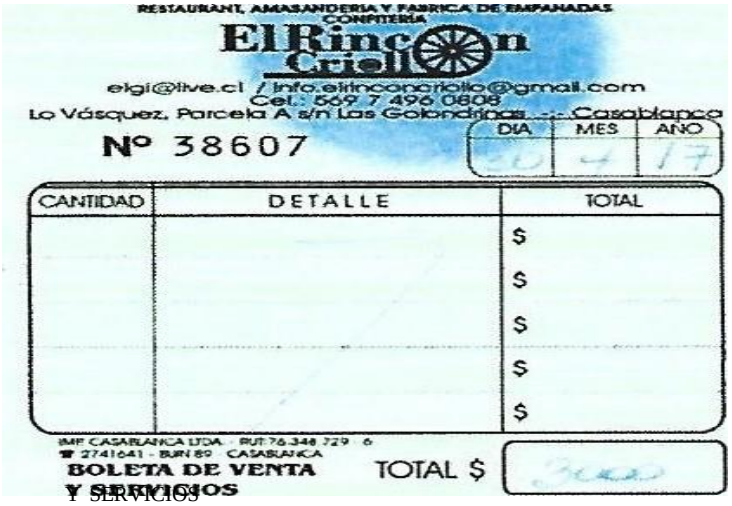


Figura 1.6 Boleta que entrega el garzón

1.2.2 Control de stock de bodega.

El dueño es el encargado de llevar el control de la mercadería e insumos de bodega, no utiliza ningún sistema informático para llevar el control de stock.
Cuando recibe la mercadería, si se trata de carnes, el dueño elabora porciones aproximadamente de 200 gramos cada una para guardarlas en el congelador (no deja constancia del número total de porciones extraídas), en caso de las verduras u otro tipo de alimento como los alimentos no perecibles solamente los guarda sin tener un conteo por unidad o por peso.

Al comienzo de cada día el dueño retira una cantidad específica de insumo, y anota las cantidades extraídas en una pizarra ubicada fuera de la bodega.

1.2.3 Compra de mercadería.

El dueño es el encargado de solicitar mercadería a sus proveedores, no utiliza sistemas especiales de pedidos, ni órdenes de compra.
Se realiza semanalmente un pedido, el dueño hace el pedido telefónicamente o los adquiere de vendedores que llegan hasta el local para ofrecer sus productos, el proveedor le entrega la factura o boleta, quedando almacenada en un archivador.

1.2.4 Platos y bebestibles.

El restaurant al igual que la mayoría de los locales de comida, cuenta con un menú que se divide en sopas, platos pobres, platos especiales, postres, agregados, empanadas, platos para niños, menú diario, entre otros. Contiene información como el nombre del producto, contenido o ingredientes del producto y valor. Las siguientes figuras muestran parte del menú del restaurante "El rincón criollo". (Ver figura 1.7, 1.8).



Figura 1-7 Menú sopas y platos

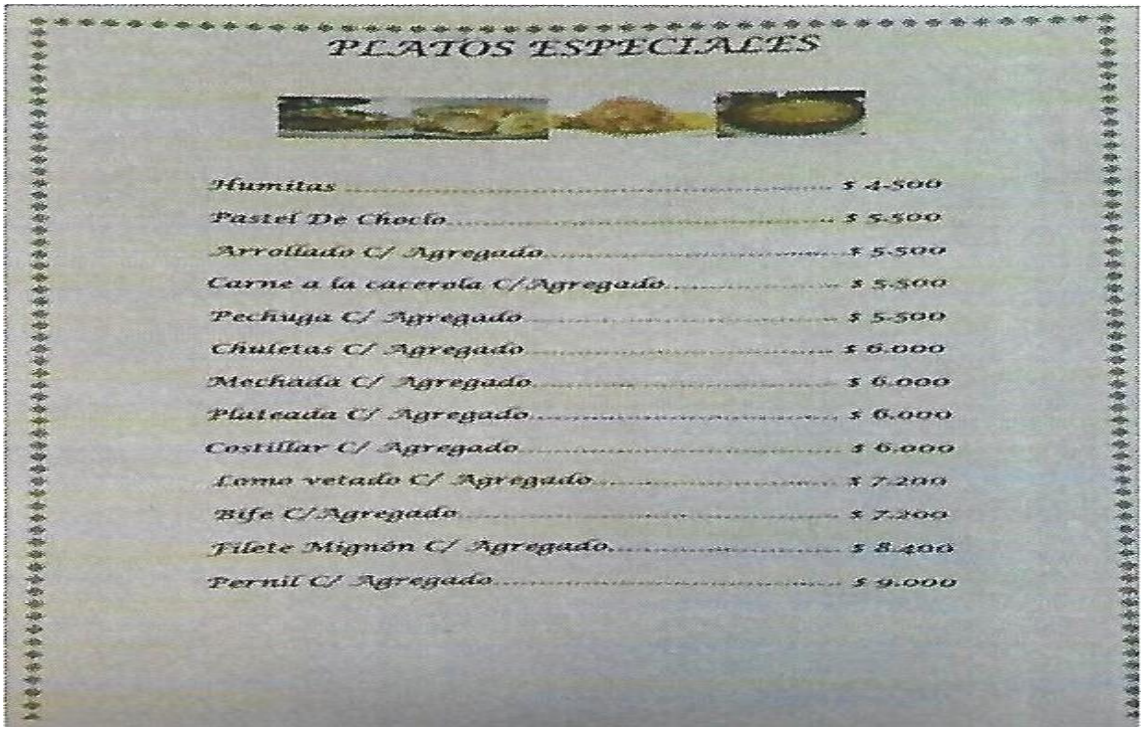


Figura 1.8 Menú Platos Especiales

1.3Problemas detectados.

El sistema manual actualmente usado en "El restaurant Criollo", presenta varios problemas que se detallarán a continuación:

- No se realiza arqueo de caja diario, ya que no existe un sistema de caja en el restaurant, esto puede producir pérdidas de dinero.
- El garzón debe realizar labores extra, debe hacer la boleta manualmente, y hacer el trabajo de un cajero.
- Problemas de aglomeración de pedidos cuando el local presenta una alta demanda.
- Demora en entrega de pedidos, hay platos que demoran más que otros, y solo se rigen por orden de llegada de pedidos.
- No hay registro de proveedores, se pierde información de contacto de éstos, y no tienen presente el valor de la materia prima.
- No hay control sobre stock, no se usa ningún tipo de registro de la materia que se usará diariamente, esto puede provocar escasez de productos y a la vez problemas en la atención.
- Pérdidas generales de información, como el sistema es manual, el sistema no está exento a perdida de información tales como orden de pedido (comandas), boletas, etc.
- Errores en la información.
- Posible inconsistencia de datos, por ejemplo, el valor escrito en la comanda y el valor mostrado en el menú.
- Posible redundancia de datos, en las comandas o boletas, pueden repetirse estos documentos, ya que no existe control sobre éstos.

1.4 Descripción del sistema propuesto.

Se creará un sistema informático que resolverá los problemas descritos anteriormente, éste llevará un sistema de caja, control de stock y mantenedores.

1.4.1 Objetivo general.

El sistema propuesto busca automatizar y reemplazar el sistema manual usado actualmente en el restaurante, ayudando a mejorar la atención al cliente, facilitar el trabajo de los funcionarios y crear un sistema de caja que actualmente es inexistente. Este tendrá un módulo para la cocina, un módulo para la caja y un módulo para el garzón.

1.4.2 Objetivos específicos del sistema.

- Desarrollar un programa con una interfaz cómoda para el usuario
- Llevar un control detallado y eficiente del stock
- Mejorar la comunicación entre garzón y cocinero
- Realización de arqueo de caja
- Registrar las ventas en el sistema
- Tener control sobre proveedores, empleados, productos y reservas.
- Realizar proceso de generación de boleta.
- Llevar un buen control del pedido.

1.4.3 Descripción general de la solución propuesta.

Se propone implementar un sistema informático capaz de automatizar el sistema actual, refiriéndose al manejo de bodega y ventas, facilitando las labores de los funcionarios del restaurante, por lo cual se verá beneficiada la atención al cliente.

Toda la información necesaria durante el funcionamiento será registrada en una base de datos, existirán distintos tipos de usuario.

1.4.4 Funcionalidad del sistema.

El sistema manejará diversas tareas del restaurante, a continuación, se describirá la funcionalidad de cada una de ellas:

a) Mantenedor de usuarios.

El sistema tendrá distintos usuarios y permisos para poder acceder a distintos módulos del sistema, su funcionalidad en el sistema será:

- Registrar un nuevo usuario, que contendrá un código de usuario, una clave y el tipo de permiso.
- Administrador: Tendrá acceso a todo tipo de función del sistema, tanto como modificar, eliminar, agregar usuarios, productos, etc.
- Cajero: Tendrá acceso solo a las funciones de caja y sus funcionalidades como generador de boletas.
- Garzón: Tendrá acceso solo al módulo de garzón, su función, generar pedidos a cocina.
- Consultar por usuario existente.
- Modificar datos del usuario.
- Eliminar Usuarios que ya no estén disponibles

b) Mantenedor de empleados.

Las funciones que desarrollará este mantenedor serán:

- Registrar los datos personales del empleado.
- Modificar datos del empleado.

c) Mantenedor de proveedores.

Las funciones que desarrollará este mantenedor en el sistema serán:

- Registrar datos personales del proveedor.
- Registrar insumo que provee.
- Valor del insumo.

d)_Mantenedor de stock.

Las funciones que desarrollará este mantenedor en el sistema serán:

- Registrar nombre del insumo.
- Registrar cantidad del insumo.

e) Generador de informes.

- Se generarán informes de ventas diarias, semanales, mensuales o como el administrador estime conveniente.

f)_Generador de pedido.

- Generará un pedido, de acuerdo a lo que ingrese el garzón en su módulo, el pedido será enviado a cocina.
- El generador enviará un pedido a cocina, este será impreso en un recibo mediante una impresora térmica.
- El generador se encargará también de calcular el monto total a pagar por mesa, este dato se le entregará al generador de pre boleta para que se pueda hacer la impresión de esta.
- Además, se encargará de entregarle la información del detalle del pedido al generador de pre boleta, para que esta sea impresa.

g) Generador de pre-boleta.

- Generará e imprimirá la pre-boleta.
- Mostrará el monto total a pagar, y el detalle del pedido.

1.4.5_Entradas y Salidas.

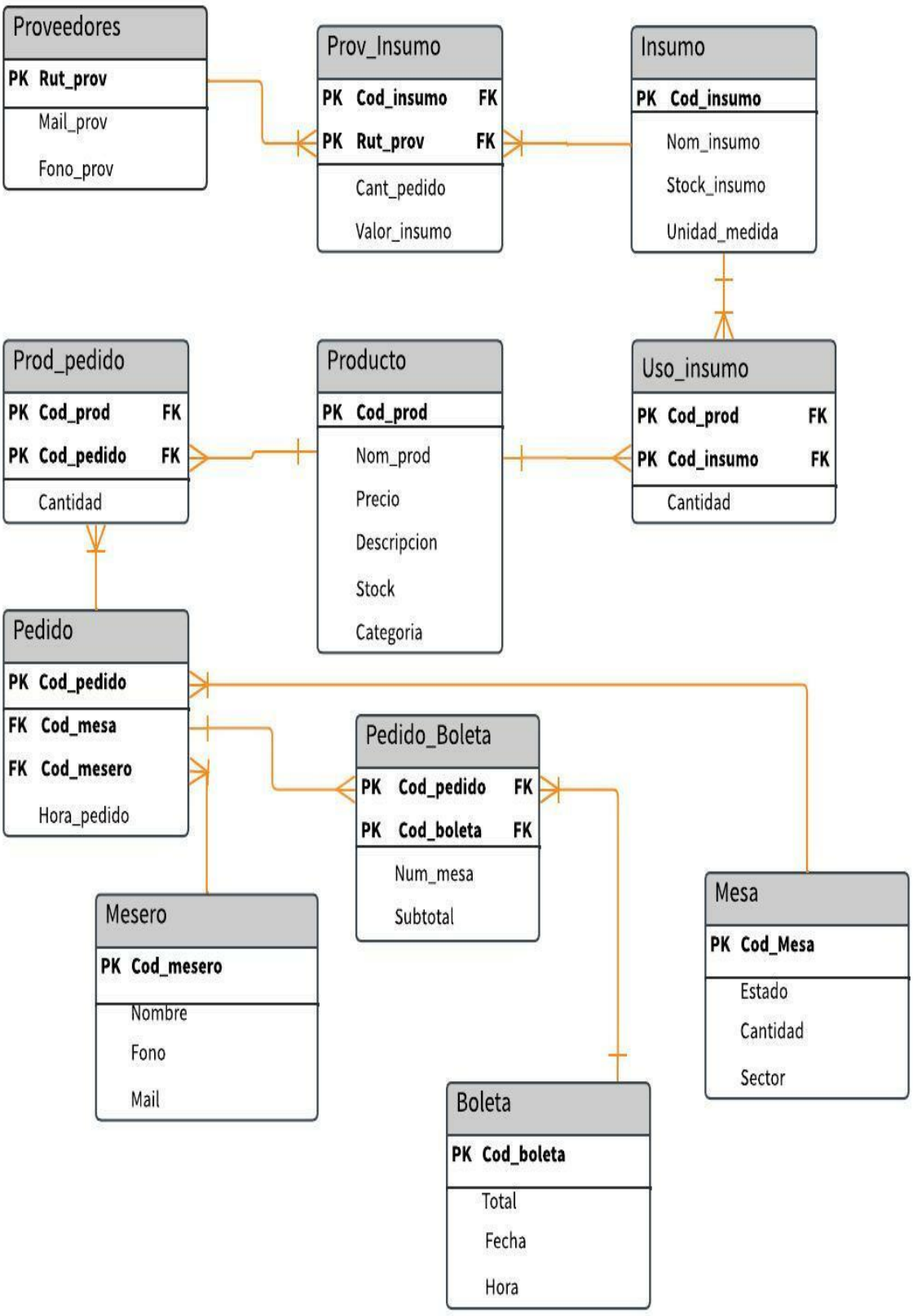
a) Entradas:

- Datos del empleado: Información personal y de contacto.
- Datos del proveedor: Información personal, de contacto y de productos que distribuye.
- Datos materia prima: Nombre de materia prima, cantidad.
- Datos de productos (consumibles): Nombre del producto, tipo de producto, valor del producto, materia prima que lo compone.
- Datos de pedido: Detalle del pedido (consumibles).
- Datos de pago (efectivo, sistema Transbank).

b) Salidas:

- Consultas a la base de datos.
- Listado de empleados, proveedores, stock, productos y pedidos.
- Boleta
- Informes de ganancias.
- Detalle pedido.

1.4.6_Modelo de Datos.



1.4.7 Estructuras de Códigos

Cod_prov: Código Identificador de proveedor, de tipo numérico auto-incremental (largo máximo 4 dígitos).

Nom_prov: Nombre del proveedor, de tipo texto (largo máximo 20 caracteres).

Mail_prov: Correo del proveedor, de tipo texto (largo máximo 30 caracteres).

Fono_prov: Teléfono de proveedor, de tipo numérico (lago máximo 9 dígitos).

Cod_insumo: Código identificador de insumo, de tipo numérico auto-incremental (largo máximo 4 dígitos).

Cant_pedido: Cantidad del insumo solicitado a proveedor, de tipo numérico (valor máximo 255).

Valor insumo: Precio del insumo solicitado, de tipo numérico (valor máximo 32767).

Nom_insumo: Nombre del insumo, de tipo texto (largo máximo 20 caracteres).

Stock insumo: Cantidad de insumo almacenado, de tipo numérico (valor máximo 255).

Unidad_medida: Unidad designada para solicitar un insumo (kg, gr, lt), de tipo texto (largo máximo 3 caracteres).

Cod_prod: Código Identificador de producto, de tipo numérico auto-incremental (valor máximo 255).

Cantidad(uso_insumo): Cantidad de insumo usado en un producto, de tipo numérico (valor máximo 255). Cod_pedido: Código identificador de pedido de tipo numérico auto-incremental (valor máximo 255).

Nom_prod: Nombre de producto, de tipo texto (largo máximo 20 caracteres).

Precio: valor de producto, de tipo numérico (valor máximo 32767).

Descripción: Información de un producto, de tipo texto (largo máximo 50 caracteres).

Stock: Cantidad de productos que se pueden preparar, de tipo numérico (valor máximo 255).

Categoría: Producto es plato o bebestible, de tipo carácter (valores "P" o "B").

Cantidad(prod_pedido): Cantidad de un mismo producto solicitado en un pedido, de tipo numérico (largo máximo 2 dígitos).

Hora_pedido: hora en la que fue realizado el pedido (valor igual a la hora de registro de pedido. Ej.: 15:30).

Num_mesa: Numero de la mesa atendida.

Subtotal: Cantidad pre-calculada de lo que debe pagar uno o más clientes de la mesa

Cod_Mesero: Código identificador de mesero, de tipo numérico auto-incremental (valor máximo 255).

Nombre: Nombre del mesero, de tipo texto (largo máximo 20 caracteres).

Fono: teléfono del mesero, de tipo numérico (largo máximo 9 caracteres).

Mail: Correo del mesero, de tipo texto (largo máximo 30 caracteres).

Cod_mesa: Código identificador de mesa de tipo numérico auto-incremental (valor máximo 255).

Estado: Mesa Disponible u Ocupada, de tipo carácter (valores "D" u "O").

Cod_boleta: Código identificador de boleta de tipo numérico auto-incremental (largo máximo 7 dígitos).

Total: Valor del pedido, de tipo numérico (largo máximo 7 dígitos).

Fecha: Dia, mes y año en la cual fue emitida la boleta

Hora: Hora en la cual se emitió la boleta.

1.4.8 Condicionantes del diseño.

Se piensa usar NetBeans, lenguaje Java, ya que, Java es uno de los lenguajes más utilizados actualmente y tiene una gran compatibilidad con el sistema operativo que se desea utilizar, Windows 7.

Será un sistema multiusuario, ya que se utilizarán 2 computadores conectados entre sí.

Capítulo 2

En este capítulo se detalla información acerca del medioambiente de trabajo (hardware y software), se detallan los requisitos mínimos y recomendados para poder ejecutar el programa. Se muestra además las tablas de datos con toda la información (nombre de variable, tipo de variable, función) con la que se realizará el proyecto y que será almacenada en base de datos.

2. Medioambiente computacional y descripción de la base de datos

2.1 Descripción de las características del recurso computacional.

En este capítulo se detallarán los hardware y todos los componentes a utilizar al momento de desarrollar e instalar el sistema en el restaurante "El Rincón Criollo".

2.1.1 Descripción del hardware utilizado.

Se detallarán las principales características del recurso computacional, utilizado para el desarrollo del sistema y para el funcionamiento del sistema.

Hardware utilizado en el desarrollo.

Equipo:

- Procesador INTEL Core i3 de 1,9Ghz.
- 4 GB de memoria RAM.
- Disco duro de 500 GB.
- Sistema operativo Windows 10.

Hardware en donde se utilizará:

Equipos:

- Procesador NTEL Core Quad de 2,6Ghz.
- 4 GB de memoria RAM.
- Disco duro de 250 GB.
- Sistema operativo Windows 7.

Impresoras:

- Impresoras térmicas de recibos.

2.1.2 Descripción del Software y utilitarios utilizados.

A continuación, se describirán las características de los softwares usados en el desarrollo del sistema.

Sistema operativo: Windows 10.

Lenguaje de programación: JAVA NetBeans IDE 8.2: Java es uno de los lenguajes más utilizados actualmente, su programación está orientada a objetos (POO u OOP) esto implica que los objetos manipulan los datos de entrada para la obtención de datos de salida específicos, donde cada objeto ofrece una funcionalidad especial. el software NetBeans nos proporciona un entorno de programación gráfico muy cómodo para poder desarrollar un sistema como el que proponemos.

Motor de base de datos:

MYSQL: es un sistema de gestión de bases de datos relacional basado en lenguaje de consulta estructurado (SQL). MySQL se ejecuta en prácticamente todas las plataformas, incluyendo:

Linux, UNIX y Windows. Además, tiene una buena adaptación con NetBeans y Java.

2.2Descripcion de tablas del sistema

En este punto se detallan todas las tablas utilizadas en el sistema de restaurante "El Rincón Criollo".

Tipos de datos permitidos por el motor de base de datos y que serán usados:

String(n) : Carácter de largo n.

Int : Numérico, entero largo (-2,147,483,648 a 2,147,483 ,647).

Smallint : Numérico, entero largo (-32768 a 32767).

Tinyint : Numérico (0 a 255).

Time : Hora del sistema.

Date : Fecha del sistema.

2.2.1 Pedido

Nombre: Pedido.

Descripción: En esta tabla se almacenan datos relevantes y necesarios del pedido.

Clave primaria: COD_PEDIDO.

Claves foráneas: COD_MESA — Referencia a tabla MESA.

COD MESERO - Referencia a tabla MESERO.

Nombre	Tipo	Descripción
COD PEDIDO	TINYINT	Código del pedido.
HORA PEDIDO	TIME	Hora del pedido.
COD MESA	TINYINT	Código de la mesa.
COD MESERO	TINYINT	Código o del mesero.

2.2.2 Mesa.

Nombre: Mesa.

Descripción: En esta tabla se almacenan datos relevantes de las mesas.

Clave primaria: COD_MESA.

Nombre	Tipo	Descripción
COD_MESA	TINYINT	Código de la mesa.
ESTADO	CHAR	Muestra si la mesa está disponible o no disponible.

2.2.3 Pedido_Boleta

Nombre: Pedido_Boleta

Descripción: En esta tabla se almacenarán datos para generar una boleta para un pedido especifico de una mesa.

Clave primaria : COD_PEDIDO + COD_BOLETA

Claves foráneas: COD_PEDIDO - Referencia a tabla PEDIDO

COD_BOLETA – Referencia a la tabla Boleta.

Nombre	Tipo	Descripción
COD_BOLETA	INTEGER(7)	Código o de la boleta.
NUM_MESA	TINY_INT	Numero de la mesa atendida
SUBTOTAL	INTEGER(7)	Total precalculado del pedido.
COD_PEDIDO	TINYINT	Código del pedido

2.2.4 Boleta

Nombre: BOLETA

Descripción: En esta tabla se almacenarán datos de la boleta.

Clave primaria: COD_BOLETA.

Claves foráneas: COD_PEDIDO - Referencia a tabla PEDIDO.

Nombre	Tipo	Descripción
COD_BOLETA	INTEGER(7)	Código o de la boleta.
FECHA	DATE	Fecha de la emisión de boleta.
TOTAL	INTEGE 7	Total del pedido.
COD_PEDIDO	TINYINT	Código del pedido

2.2.5 Mesero.

Nombre: MESERO

Descripción: En esta tabla se almacenarán datos personales del mesero.

Clave primaria: COD_MESERO.

Nombre	Tipo	Descripción
COD MESERO	TINYINT	Código o del mesero.
NOMBRE	VARCHAR(20)	Nombre del mesero.
FONO	VARCHAR 9	Teléfono de contacto del mesero.
MAIL	VARCHAR(30)	Mail del mesero.

2.2.6 Prod_Pedido

Nombre: PROD_PEDIDO

Descripción: Tabla que relaciona la tabla producto con la tabla pedido.

Clave primaria: COD_PROD + COD_PEDIDO

Clave Foránea: COD_PROD - referencia a tabla producto

COD_PEDIDO – referencia a tabla pedido

Nombre	Tipo	Descripción
COD PROD	TINYINT	Código del producto.
COD PEDIDO	INTEGER 7	Código del pedido.
CANTIDAD	TINYINT 2	Cantidad de productos pedidos.

2.2.7 Producto.

Nombre: PRODUCTOS

Descripción: Almacena todos los productos disponibles en el menú.

Clave primaria: COD PROD.

Nombre	Tipo	Descripción
COD_PROD	TINYINT	Código o del producto.
NOM_PROD	VARCHAR(20)	Nombre del producto.
PRECIO	SMALLINT	Precio del producto.
DESCRIPCION	VARCHAR(50)	Descripción del producto.
STOCK	TINYINT	Stock disponible del producto
CATEGORIA	CHAR	Plato o bebestible. ("P" o "B")

2.2.8 Uso Insumo.

Nombre: USO_INSUMO.

Descripción: Tabla que relaciona la tabla producto con tabla insumo, indica los insumos usados en un producto.

Clave primaria: COD PROD + COD INSUMO.

Nombre	Tipo	Descripción
COD_PROD	TINYINT	Código del producto.
COD_INSUMO	VARCHAR(3)	Código del insumo.
CANTIDAD	TINYINT	Cantidad de insumo usado en un producto.

2.2.9 Insumo.

Nombre: INSUMO.

Descripción: Tabla que detalla insumos y stock.

Clave Primaria: COD_INSUMO.

Nombre	Tipo	Descripción
COD_INSUMO	TINYNT	Código o del insumo.
NOM_INSUMO	VARCHAR(20)	Nombre del insumo.
STOCK_INSUMO	TINYINT	Stock del insumo.
UNIDAD_MEDDA	VARCHAR(3)	Unidad de medida del insumo.

2.2.10 Prov Insumo.

Nombre: PROV_INSUMO.

Descripción: Tabla que relaciona la tabla insumo con la tabla proveedores.

Clave primaria: COD_INSUMO + RUT_PROV.

Nombre	Tipo	Descripción
COD_INSUMO	TINYINT	Código del insumo.
RUT_PROV	VARCHAR(9)	Rut del proveedor.
CANT_PEDIDO	TINYINT	Cantidad del pedido.
VALOR_INSUMO	SMALLINT	Valor del insumo.

2.2.11 Proveedores.

Nombre: PROVEEDORES.

Descripción: Tabla que almacena los proveedores y datos de contacto.

Clave primaria: RUT_PROV.

Nombre	Tipo	Descripción
RUT_PROV	VARCHAR(9)	Rut del proveedor.
NOM_PROV	VARCHAR(20)	Nombre del Proveedor.
MAIL_PROV	VARCHAR(30)	Mail del proveedor.
FONO_PROV	VARCHAR (9)	Teléfono del proveedor.

Capítulo 3

En este capítulo se da a conocer la estructura del programa, así como las funciones que los componen, se detallaran algunos de los programas, así como la función que desarrollan, aquellos que son considerados de mayor relevancia y demuestran de mejor manera las funciones de este programa.

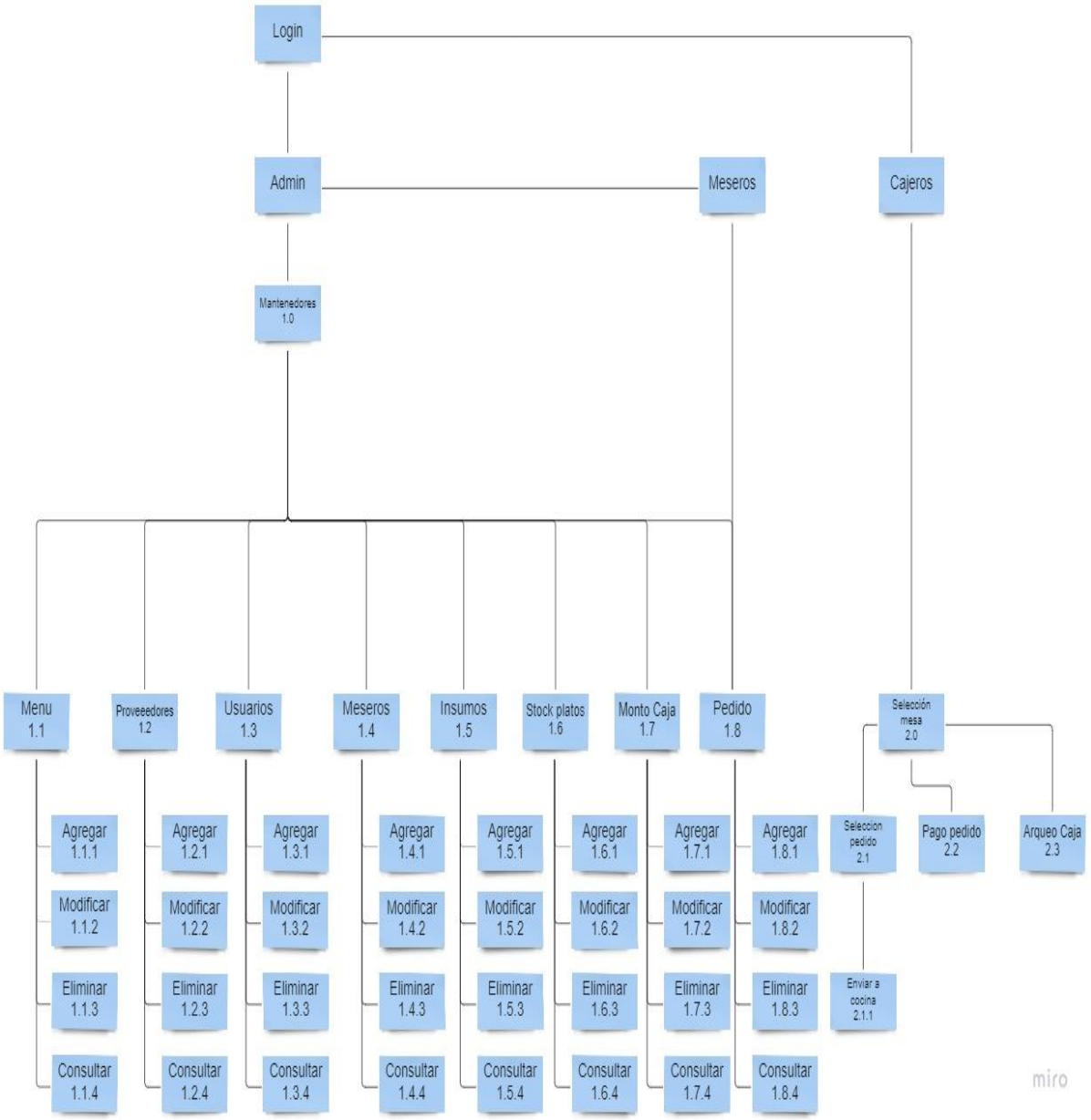
El contenido de este capítulo incluye una tabla de programas, descripciones y referencias visuales de los programas destacados.

Además, se incluye las fuentes desde las cuales se ha obtenido la información para el avance de este proyecto, así también como el código fuente del programa finalizado.

3.Estructura General del Sistema

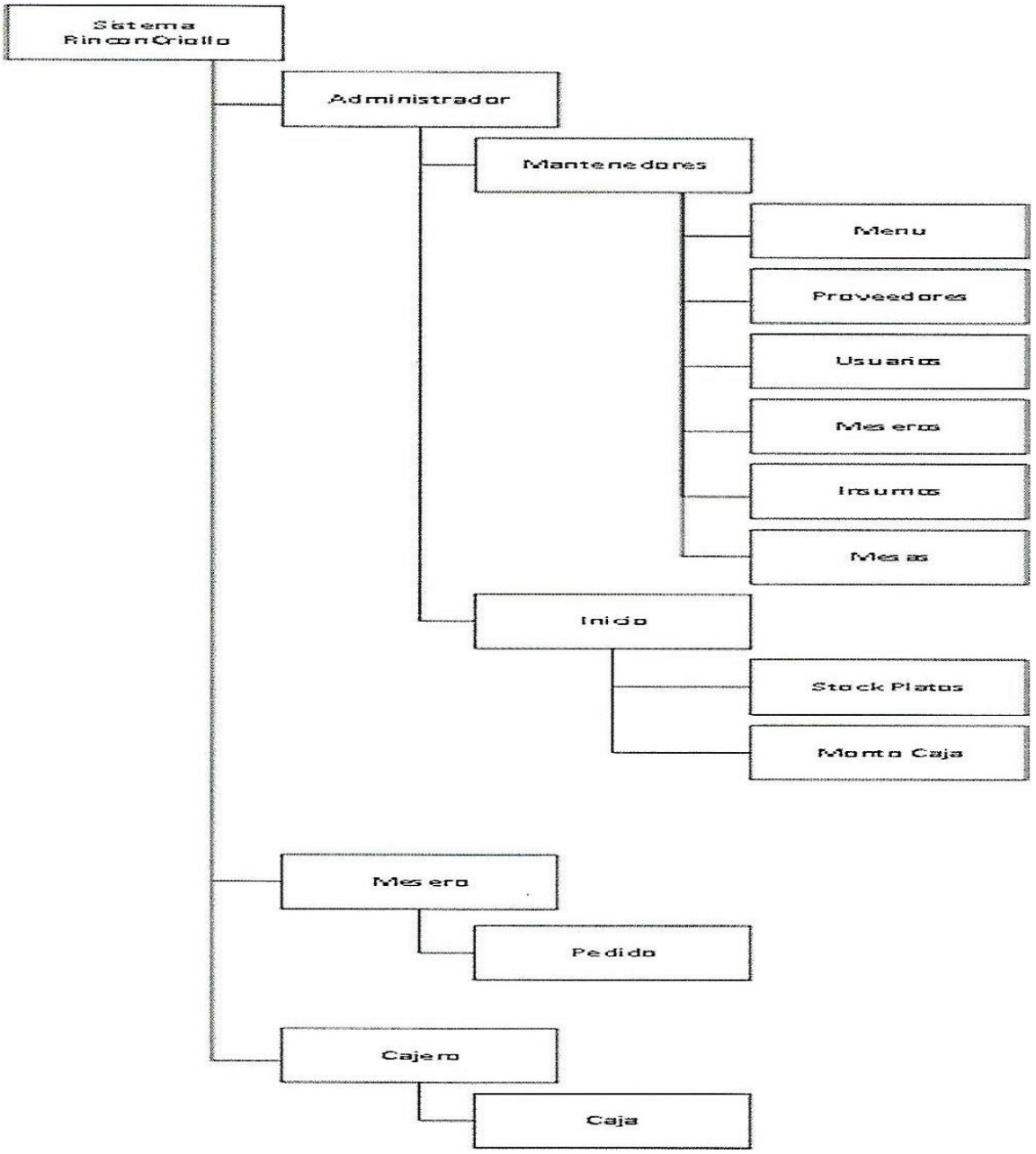
3.1 Diagrama Modular

En este diagrama se da una visión estructurada de cada uno de los módulos (programas o subprogramas) que desarrollan una función dentro del programa principal, dicho de otra forma, es una división del programa principal.



3.2 Diagrama de Menús

En este diagrama se muestran cada una de las funciones que son accesibles para cada usuario, además de las funciones que están contenidas en otros programas, es decir, se visualiza su ruta de acceso.



3.3 Tabla de Programas

(Los programas con un * serán detallados con profundidad posteriormente)

Nombre De Programa	**Descripción De Programa**
Login*	Permite el acceso de los usuarios al programa
Admin*	Interfaz del programa exclusivo del administrador
Menu*	Permite la administración de los platillos del restaurant
Proveedores	Permite administrar la información de los proveedores de insumos
Usuarios*	Administra información de usuarios
Meseros	Administra la información de los meseros
Insumos	Administra la Información de los insumos en stock
Mesas*	Modifica el estado de las mesas (disponible u ocupada)
Stock Platos	Muestra las cantidades proporcionables de cada platillo y permite agregar cantidades
Monto Caja	Permite establecer la cantidad de dinero con la cual comenzara la caja
Pedido*	Se realiza el pedido de los platos y se envía a cocina
Caja*	Ingresa el pago de los pedidos
Arqueo de Caja	Muestra las ganancias obtenidas durante el día

3.4 Descripción de Programas

Nombre Lógico: Login

Nombre Físico: frmLogin.java

Objetivo: Permitir el ingreso únicamente de usuarios registrados.



(Figura 3-1 — Diagrama de Bloque — Programa Login)

Reglas de Proceso: Este sistema bloquea el acceso al programa principal a todos aquellos usuarios que no estén registrados, hay 3 tipos de usuarios que pueden acceder: Administrador, Garzón y Cajero. En caso de ingresar credenciales incorrectas el programa arrojara un mensaje de error indicando que el usuario no existe.



(Figura 3-2 — Ejemplo de Pantalla — Programa Login)

Nombre Lógico: Admin

Nombre Físico: frmAdmin.java

Objetivo: Acceder de forma simple a todas las funciones solo disponibles para el administrador.



(Figura 3-3 - Diagrama de Bloque — Programa Administrador)

Reglas de Proceso: Para poder acceder a este programa el usuario debe haber ingresado previamente con suso datos de administrador. Desde este menú es posible acceder a cualquiera de las demás funciones incluyendo las de caja y pedido.

El administrador es el usuario con más derechos y quien se encarga de las labores principales del restaurante, así como mantener en existencia los insumos (insumos), mantener actualizada la información de los platillos que se sirven al igual que su valor (menú) y la cantidad de raciones que se pueden elaborar durante el día (stock platos).

El programa admin además se encarga de ingresar a nuevos usuarios en caso de que se realicen contrataciones o removerlos por motivo de despido renuncia (usuarios) y de asignar los accesos según corresponda.

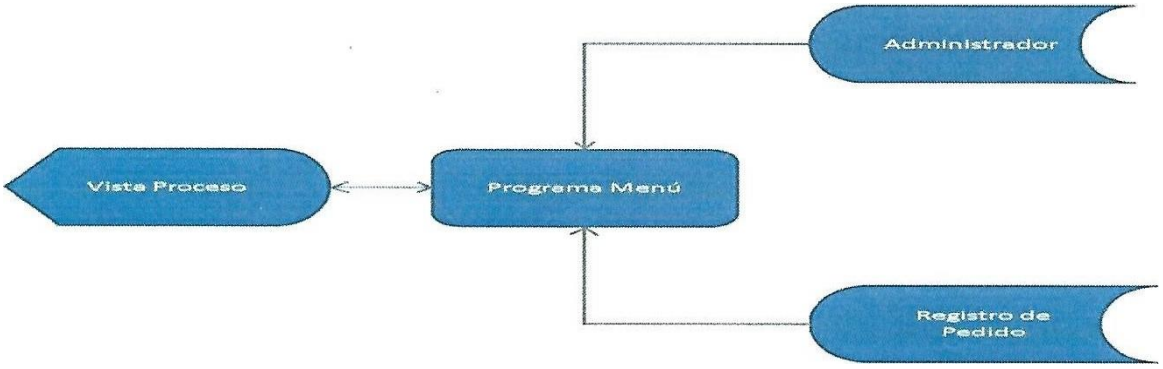


(Figura 3-4 — Ejemplo de Pantalla - Programa Administrador)

Nombre Lógico: Menú

Nombre Físico: frmMenu.java

Objetivo: Hacer cambios en la cartola (menú) de los platillos.



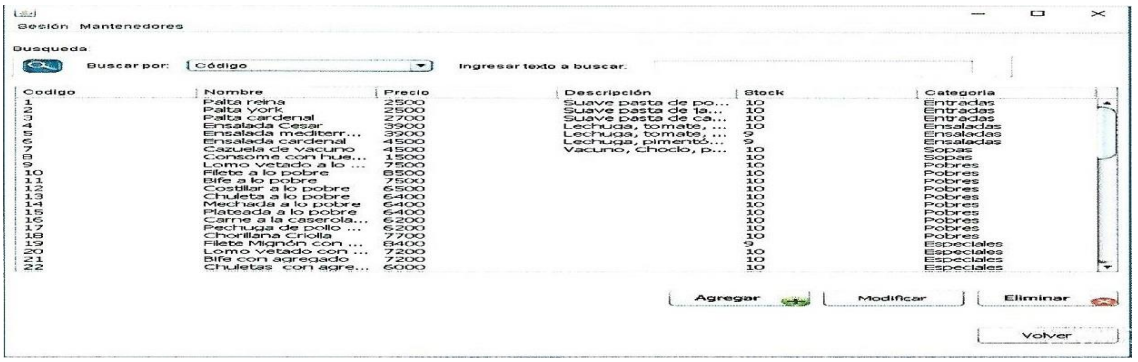
(Figura 3-5 — Diagrama de Bloque — Programa Menú)

Reglas de Proceso: El administrador es el único con privilegios para acceder a esta función.

Para poder agregar un plato al menú se debe ingresar su nombre, el valor que tendrá éste, una breve descripción de plato (usualmente su contenido), además éste debe ser ingresado a una de las categorías las cuales son: sopas, entradas, ensaladas, agregados, platos a lo pobre, especiales y para niños. Al terminar el plato será registrado inmediatamente en la base de datos y se le asignará un código.

Para eliminar un producto basta con seleccionarlo en la lista y dar clic en la opción de eliminar (el plato es también eliminado de la base de datos).

En caso de necesitar revisar la información de un plato o un grupo de platos se puede hacer una búsqueda detallada por el código del producto, nombre, categoría y precio.

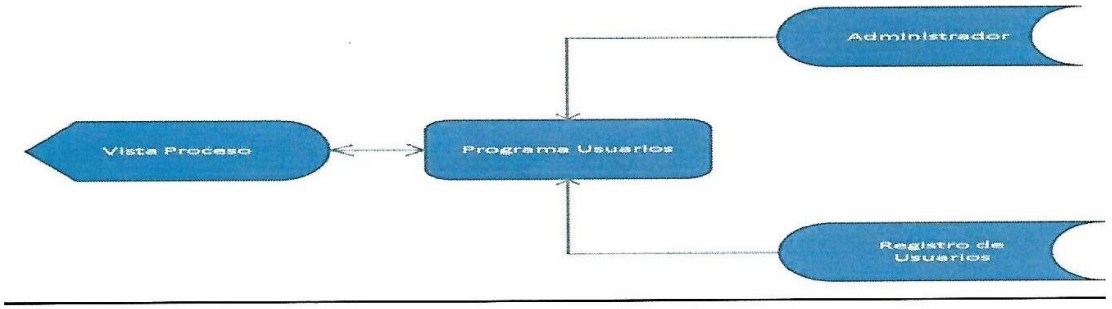


(Figura 3-6 – Ejemplo de pantalla — Programa Menú)

Nombre Lógico: Usuarios

Nombre Físico: frmUsuarios.java

Objetivo: Administrar Información de Usuarios y permisos.

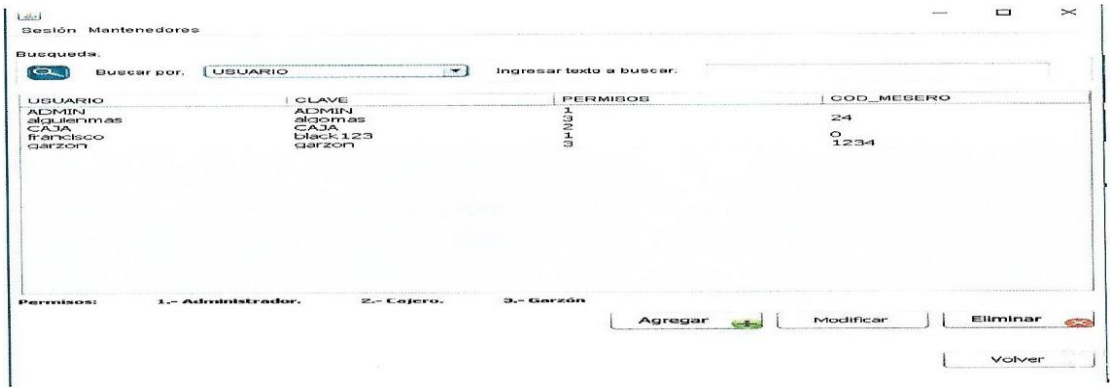


(Figura 3-7 - Diagrama de Bloque — Programa Usuarios)

Reglas de Proceso: El administrador es el único con privilegios para acceder a esta función.

Para poder ingresar un nuevo usuario el administrador debe proporcionarle un nombre y una contraseña con las que tendrá acceso al sistema, además se le asignarán los permisos según corresponda, entre los cuales están: Administrador ,Garzón y Cajero.

Únicamente en el caso que se ingresen nuevos garzones, se debe hacer ingreso de información adicional, como lo son su nombre, número telefónico y correo, además el administrador le asignara un código identificador con el que estará registrado.

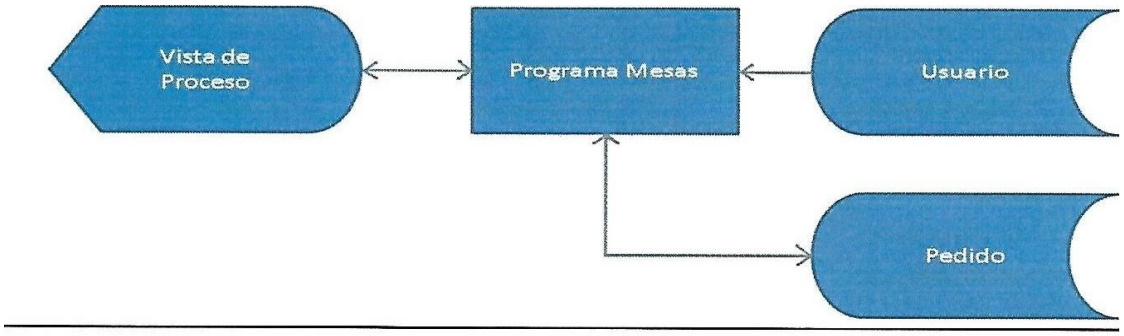


(Figura 3-8 – Ejemplo de pantalla — Programa Usuarios)

Nombre Lógico: Mesas

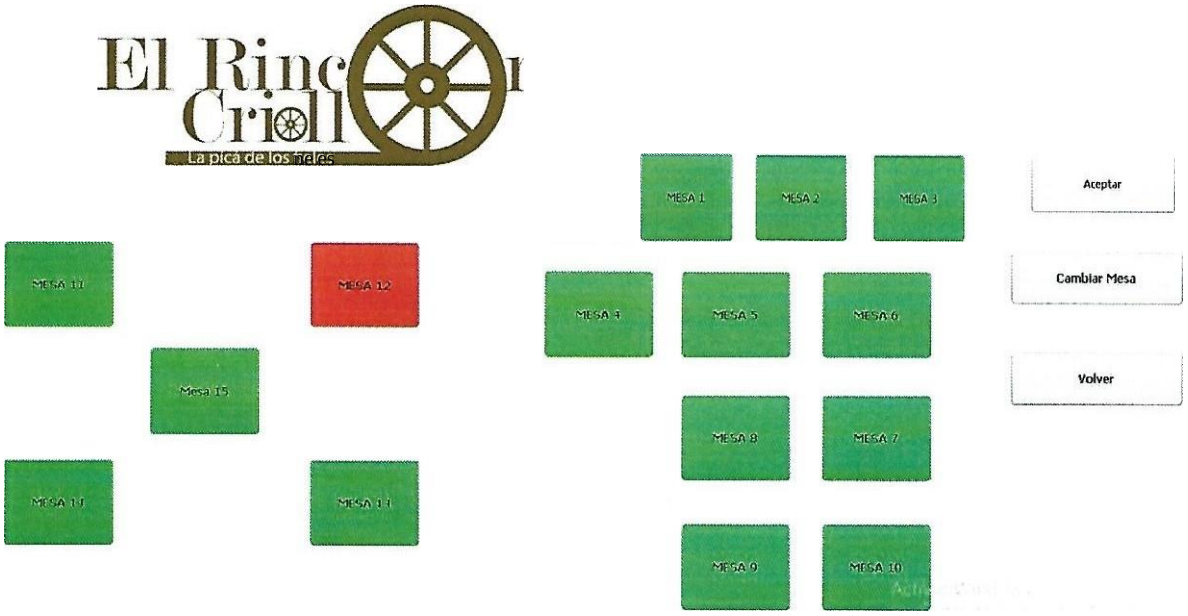
Nombre Físico: frmMesas.java

Objetivo: Mostrar la distribución de las mesas del local e identificar cada pedido



(Figura 3-9 — Diagrama de Bloque — Programa Mesas)

Reglas de Proceso: Este programa muestra como están distribuidas las mesas al interior del restaurant, al realizarse un pedido se ingresa a este programa y se selecciona una mesa del modelo, posteriormente los pedidos que estén listos serán identificados por el código de la mesa (numero).

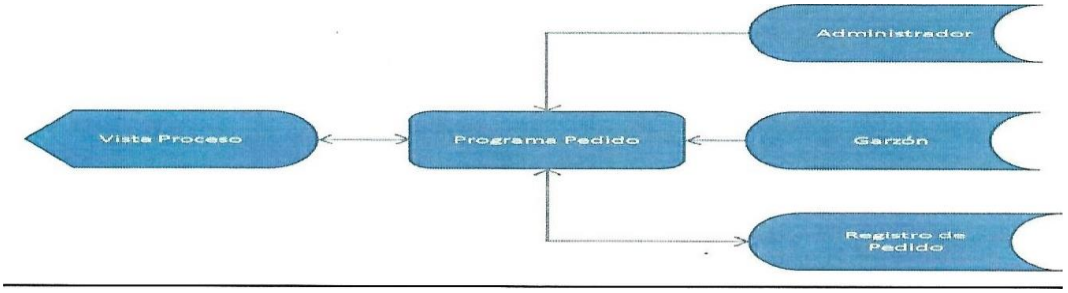


(Figura 3-10 — Ejemplo de Pantalla - Programa Mesas)

Nombre Lógico: Pedido

Nombre Físico: frmPedido.java

Objetivo: Registrar las mesas y ordenes de los clientes

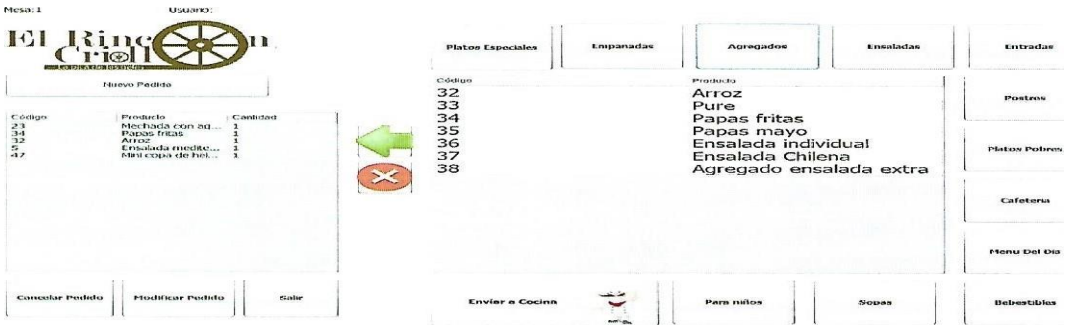


(Figura 3-11 — Diagrama de Bloque — Programa Pedido)

Reglas de Proceso: Para iniciar con el pedido el cliente escoge una mesa y el garzón la selecciona a través del programa, inmediatamente los clientes realizan su orden y a través del programa que tiene separadas las distintas categorías de alimentos, el garzón selecciona cada una de las órdenes y las carga inmediatamente a la mesa.

En caso de algún error o por cambio de opinión del comensal, si hay alguna falla en el pedido éste puede ser cancelado y reingresado.
Después de verificar que el pedido está listo y no hay ningún problema éste procede a registrarse (Enviar a cocina) y se registra en la base de datos con un código que hace alusión al pedido y con el código de la mesa al cual corresponde, los cuales después son visualizados por el cajero al momento de hacer el cobro del pedido.

Tras la realización de cada pedido y como medida de seguridad el programa pasa a una pantalla de bloqueo en espera de un código de seguridad, al ser ingresado se vuelve a ingresar al programa de pedidos.

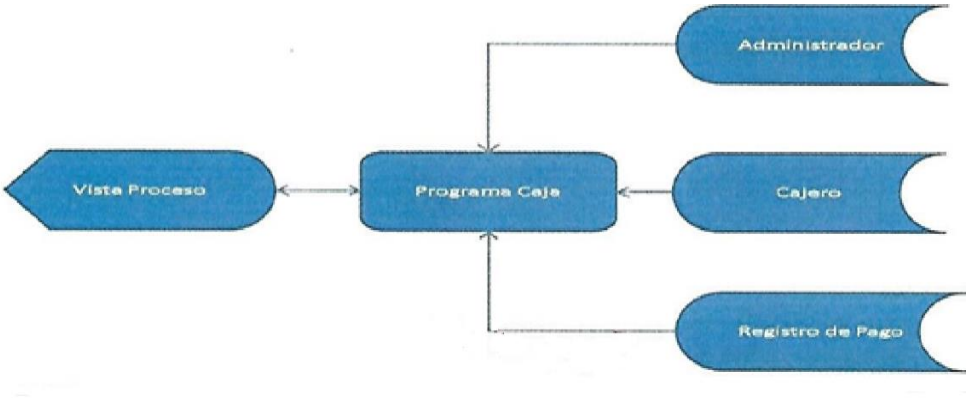


(Figura 3-12 - Ejemplo de Pantalla - Programa Pedido)

Nombre Lógico: Caja

Nombre Físico: frmCaja.java

Objetivo: Calcular el total de los pedidos y registrar su pago.

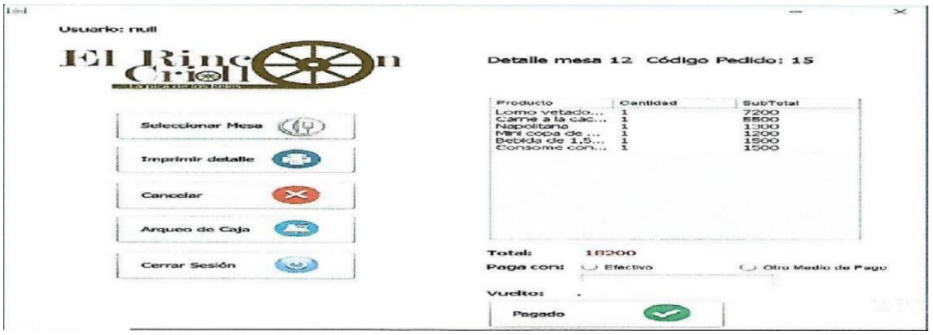


(Figura 3-13 — Diagrama de Bloque — Programa Caja)

Reglas de Proceso: Para iniciar la función de caja, previamente el administrador debe de haber inicializado la caja con un monto de dinero para operar durante el día.
Posteriormente se selecciona la mesa que ya esté disponible para pagar el pedido.

Se carga una lista detallada con el pedido (productos, cantidades y precios) y se selecciona el método de pago (de ser seleccionado el pago por tarjeta esta transacción pasa a estar a cargo del dispositivo Transbank correspondiente, solo se deberá ingresar al programa que se realizó el pago), al pagar con efectivo se ingresa la cantidad con la que se pagara la cuenta y el programa calcula inmediatamente el vuelto.

Finalmente se marca el pago del pedido y éste es eliminado de la base de datos y la mesa vuelve a su condición de disponible.



(Figura 3-14 — Ejemplo de Pantalla - Programa Caja

Conclusiones

A través de este proyecto se consiguió analizar de manera detallada el funcionamiento del restaurant "El Rincón Criollo", me di cuenta de las falencias que tenía y que podían ser tratadas con la ayuda de una herramienta computacional (software), comprendí los niveles de información que se manejan a diario, las labores que debe realizar cada empleado incluyendo al administrador y pensar en métodos para simplificar sus labores.

Se hizo una detección detallada de todos los fallos que se propuso optimizar con ayuda del programa a crear. Además, se estructuró la información con ayuda de los diagramas permitiendo así una programación más limpia y comprensible, hubo un análisis de los datos que se utilizarían en el programa con el fin de optimizar el trabajo y comprender bien los valores con los que serían tratados.

Se hizo una descripción detallada de todos los programas con el fin de explicar su manera de operar, además de poder visualizar aspectos clave del programa terminado.

Finalmente se consiguió crear un programa con la capacidad de almacenar información importante en una base de datos evitando así pérdidas abruptas de información importante, además de incluir una función para realizar pedidos facilitando así la labor del garzón y evitando problemas de congestión de pedidos y organización de tiempos de su realización, Cabe mencionar también la funcionalidad de caja que permite hacer un cálculo controlado del valor de los pedidos de cada mesa y registrar de manera sencilla el pago de éstas.

Este proyecto ha significado una considerable mejoría en comparación a la antigua manera de operar el restaurant y ha puesto a prueba todos los conocimientos adquiridos hasta el momento de iniciar su programación, así como también me ha mostrado que puedo mejorar aún más mis capacidades y adquirir ms conocimientos con los que continuar mejorando mi manera de programar.

Bibliografía

https://www.youtube.com/watch?v=tX6F8JJptXE (Curso java desde 0)

https://es.stackoverflow.com/ https://es.slideshare.net/

https://www.pdf-manual.es/programacion/java/

https://www.tutorialesprogramacionya.com/mysqlya/

http://www.educacioncontinua.uc.cl/33359-ficha-modelamiento-de-bases-de-datos-y-consultas-con-sql-server https://www.educacionit.com/

https://academy.oracle.com/es/solutions-curriculum-full-html

http://foro.gui.uva.es/t/manual-completo-de-programacion-en-java-jorge-sanchezJ438

https://www.youtube.com/playlist?list=PLTB9EkZ0sQZBx q4g49Dts dZ203KXm01 (Curso Java- IDE NetBeans)

Anexo

Código Fuente

Querys

qUsuario.java

```
package Querys;

import classes.conexion;
import classes.usuario;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import frames.frmAdmin;
import java.util.HashSet;
import javax.swing.DefaultComboBoxModel;
import javax.swing.table.DefaultTableModel;

public class qUsuario {
public int consultarMesero(usuario usu) {
        String nomMesero = " ";
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        int existe = 0;
        try {
            String query = "Select * FROM `usuarios`"
                    + " where cod_mesero='" + usu.getCodMesero() + "'";

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            System.out.println("consulta realizada");
            rs.next();
            if (rs.getString(4) != null) {
                 existe = 1;
                 usu.setCodMesero(rs.getInt(4));
            }
```

```
        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsuario.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }

        return existe;
    }

    public int consultarUsuario(usuario usu) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        int existe = 0;
        try {
            String query = "Select * FROM `usuarios`"
                    + " where usuario='" + usu.getUser()+ "'"; //espacio
+ where para evitar error de sintaxis

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            System.out.println("consulta realizada");
            rs.next();
            if (rs.getString(1) != null) {
                existe = 1;
                usu.setCodMesero(rs.getInt(4));

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsuario.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }
        return existe;
```

```
    }

    public int consultarPermisos(usuario usu) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        int permisos = 0;
        try {
            String query = "Select permisos FROM `usuarios`"
                    + " where usuario='" + usu.getUser() + "' and clave
='" + usu.getPass() + "'"; //espacio + where para evitar error de
sintaxis

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            if (rs.next() == true) {
                if (rs.getInt("permisos") == 1) {
                    permisos = 1;

                }

                if (rs.getInt("permisos") == 2) {
                    permisos = 2;

                }
                if (rs.getInt("permisos") == 3) {
                    permisos = 3;
                }

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsuario.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }
        return permisos;
    }

    private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
```

```
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {

            // String query = "SELECT * FROM `producto`";
            String query2 = "SHOW COLUMNS FROM usuarios";
            Statement st = cn.createStatement();
//            ResultSet rs = st.executeQuery(query);
            ResultSet rss = st.executeQuery(query2);
            String[] arreglo = new String[4];
            while (rss.next()) {

                modelo.addColumn(rss.getString(1));

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                 Logger.getLogger(Querys.qUsuario.class.getName()).log(Le
vel.SEVERE, null, ex);
            }
        }
        return modelo;

    }

    public DefaultComboBoxModel cargarCmbBusUsu() {
        DefaultComboBoxModel modelo = new DefaultComboBoxModel();
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {


            // String query = "SELECT * FROM `producto`";
            String query2 = "SHOW COLUMNS FROM usuarios";
            Statement st = cn.createStatement();
//            ResultSet rs = st.executeQuery(query);
            ResultSet rss = st.executeQuery(query2);
            String[] arreglo = new String[4];
```

```
            while (rss.next()) {

                modelo.addElement(rss.getString(1));

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                 Logger.getLogger(Querys.qUsuario.class.getName()).log(Le
vel.SEVERE, null, ex);
            }
        }
        return modelo;
    }

    public DefaultTableModel cargardatos() {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT * FROM usuarios";
            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
```

```
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               Logger.getLogger(Querys.qUsuario.class.getName()).log(Leve
l.SEVERE, null, ex);
            }
        }
        return modelo;
    }

    public void eliminarUsuario(String user) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "Delete FROM `usuarios`"
                    + " where usuario='" + user + "'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null, "Eliminado");
        } catch (SQLException e) {

            JOptionPane.showMessageDialog(null, "Error al eliminar.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsuario.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }

    }

    public DefaultTableModel buscarDatos(String txt, String buscar) {
        DefaultTableModel modelo = crearbase();
        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
            String query = "";
            buscar = buscar.trim();
            switch (buscar) {

                case "USUARIO":
```

```
                    query = "SELECT * FROM USUARIOS WHERE USUARIO LIKE
'%" + txt + "%'";
                    break;

                case "CLAVE":
                    query = query = "SELECT * FROM USUARIOS WHERE CLAVE
LIKE '%" + txt + "%'";
                    break;

                case "PERMISOS":
                    query = query = "SELECT * FROM USUARIOS WHERE
PERMISOS LIKE '%" + txt + "%'";
                    break;

                case "COD_MESERO":
                    query = "SELECT * FROM USUARIOS WHERE COD_MESERO LIKE
'%" + txt + "%'";
                    break;
            }

            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qProducto.class.getName()).log(Le
vel.SEVERE, null, ex);
            }
        }
        return modelo;

    }

    public void agregarUsuario(usuario user){
```

```
        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
            String query1 ="ALTER TABLE producto AUTO_INCREMENT = 1";
            String query2 = "INSERT INTO usuarios(usuario, clave,
permisos,cod_mesero) VALUES("
                    + "'" + user.getUser()+"',"
                    + "'" + user.getPass()+ "',"
                    + "'" + user.getPermisos()+ "',"
                    + "'" + user.getCodMesero() + "'"
                    + ")";

            Statement st = cn.createStatement();
            st.executeUpdate(query1);
            st.executeUpdate(query2);
            JOptionPane.showMessageDialog(null, "Ingresado");
        } catch (SQLException e ) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsuario.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }

    }

}
```

qUsoInsumo

```
package Querys;

import classes.conexion;
import classes.usoInsumo;
import java.sql.Connection;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
/**
 *
 * @author Usuario
 */
public class qUsoInsumo {

    public void nuevoUsoInsumo(usoInsumo ui){
     conexion connection = new conexion();
        Connection cn = connection.getconnect();
        System.out.println(ui.getCodProd()+" "+
ui.getCodInsumo()+""+ui.getCantidad());
        try {
            String query1 ="INSERT INTO USO_INSUMO VALUES("
                    + "'" + ui.getCodProd() + "',"
                    + "'" + ui.getCodInsumo() + "',"
                    + "'" + ui.getCantidad() + "'"
                    + ")";

            Statement st = cn.createStatement();
            st.executeUpdate(query1);

        } catch (SQLException e ) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsoInsumo.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }

    }
}
```

qProveedor

```
package Querys;

import classes.Proveedor;
import classes.conexion;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class qProveedor {
        public DefaultTableModel buscarDatos(String txt, String buscar){
         DefaultTableModel modelo = crearbase();
         conexion connection = new conexion();
         Connection cn = connection.getconnect();

     try {
         String query = "";
         buscar = buscar.trim();
         switch (buscar){

             case "Codigo" : query = "SELECT COD_PROV, NOM_PROV,
MAIL_PROV, FONO_PROV FROM PROVEEDORES WHERE COD_PROV LIKE '%"+txt+"%'";
break;

             case "Nombre" : query = query = "SELECT COD_PROV, NOM_PROV,
MAIL_PROV, FONO_PROV FROM PROVEEDORES WHERE nom_prov LIKE '%"+txt+"%'";
break;

             case "Correo" : query = query = "SELECT COD_PROV, NOM_PROV,
MAIL_PROV, FONO_PROV FROM PROVEEDORES WHERE MAIL_PROV LIKE '%"+txt+"%'";
break;

             case "Telefono": query = "SELECT COD_PROV, NOM_PROV,
MAIL_PROV, FONO_PROV FROM PROVEEDORES WHERE FONO_PROV LIKE '%"+txt+"%'";
break;

         }

            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
```

```
            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;

}
      public boolean isEmail(String correo) {
      Pattern pat = null;

      Matcher mat = null;
      pat = Pattern.compile("^([0-9a-zA-Z]([_.w]*[0-9a-zA-Z])*@([0-9a-zA-
Z][-w]*[0-9a-zA-Z].)+([a-zA-Z]{2,9}.)+[a-zA-Z]{2,3})$");
      mat = pat.matcher(correo);
      if (mat.find()) {
          System.out.println("[" + mat.group() + "]");
          return true;
      }else{
          return false;
      }
     }


    public DefaultTableModel cargardatos() {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {
```

```
            // String query = "SELECT * FROM `producto`";
            String query = "SELECT COD_PROV, nom_prov, MAIL_PROV,
FONO_PROV FROM PROVEEDORES";

            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);

                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;
    }

    private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Codigo");
        modelo.addColumn("Nombre");
        modelo.addColumn("Correo");
        modelo.addColumn("Telefono");

        return modelo;
    }

    public void agregarProveedor(Proveedor prov){
        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
```

```
            String query1 ="ALTER TABLE proveedores AUTO_INCREMENT = 1";
            String query2 = "INSERT INTO proveedores(nom_prov,MAIL_PROV,
FONO_PROV) VALUES("
                    + "'" + prov.getNom_prov()+ "',"
                    + "'" + prov.getMail_prov()+ "',"
                    + "'" + prov.getFono_prov()+ "'"
                    + ")";

            Statement st = cn.createStatement();
            st.executeUpdate(query1);
            st.executeUpdate(query2);
            JOptionPane.showMessageDialog(null, "Ingresado");
        } catch (SQLException e ) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }
    }

    public void eliminarProveedor(int cod) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "Delete FROM `proveedores`"
                    + " where cod_prov='" + cod + "'";
            String query2 ="Delete FROM `prov_insumo`"
                    + " where cod_prov='" + cod + "'";
            Statement st = cn.createStatement();
            st.executeUpdate(query);
            st.executeUpdate(query2);
             JOptionPane.showMessageDialog(null,"Eliminado");
        } catch (SQLException e) {
             JOptionPane.showMessageDialog(null,"Error al
eliminar.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
```

```
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }


    }
    public void modificarProveedor(Proveedor prov){

        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "UPDATE proveedores SET "
                    + "NOM_PROV='" + prov.getNom_prov()+ "',"
                    + "MAIL_PROV='" + prov.getMail_prov() + "',"
                    + "FONO_PROV='" + prov.getFono_prov()+ "'"
                    + "where cod_prov='" + prov.getCod_prov()+"'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null,"Modificado");
        } catch (SQLException e) {
                  JOptionPane.showMessageDialog(null,"Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }
    }

}
```

qProv_insumo

```
package Querys;

import classes.Prov_ins;
import classes.Proveedor;
import classes.conexion;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class qProv_ins {

    public DefaultComboBoxModel cargarIngredientes(){
    conexion connection = new conexion();//conectarme a la base de datos
    Connection cn = connection.getconnect(); // tener un elemento cn con
el cual nos permite hacer la sentencias.
    DefaultComboBoxModel modelo = new DefaultComboBoxModel();
    try {

            String query = "SELECT * FROM `insumo`";

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {
                String uni;
                uni = "";
                switch(rs.getString(4)){

                    case "Kgs":
                        uni = "Grs";
                        break;
                    case "Uni":
                        uni = "Uni";

                }
                modelo.addElement(rs.getString(2) + " - " + uni);

            }

        } catch (SQLException e) {
```

```
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qInsumo.class.getName()).log(Leve
l.SEVERE, null, ex);
            }
        }

    return modelo;

}

    public DefaultComboBoxModel cargarCmbinsumo() throws SQLException{
        DefaultComboBoxModel modelo = new DefaultComboBoxModel();
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        Statement stmt = cn.createStatement();
        String query = "SELECT COD_INSUMO FROM INSUMO";
        ResultSet rs = stmt.executeQuery(query);
        while (rs.next()){
               modelo.addElement(rs.getString(1));
        }
        return modelo;
    }

    public String obtenerNombre(Integer cod) throws SQLException{
        String nom = "";
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        Statement stmt = cn.createStatement();
        String query = "SELECT nom_insumo FROM INSUMO where
cod_insumo='"+cod.toString()+"'";
        ResultSet rs = stmt.executeQuery(query);
        while (rs.next()){
          nom = rs.getString("NOM_INSUMO");
        }

        return nom;

    }
```

```
    public DefaultTableModel cargardatos(Integer cod_prov) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT
i.COD_INSUMO,i.Nom_insumo,p.VALOR_INSUMO FROM PROV_INSUMO p ,INSUMO i
WHERE p.COD_PROV='" +cod_prov.toString()+ "'and p.COD_INSUMO =
i.cod_insumo";

            String[] arreglo = new String[3];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;
    }

    private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Codigo de insumo");
        modelo.addColumn("Nombre Insumo");
        modelo.addColumn("Precio de insumo");

        return modelo;
```

```
    }
    public void agregarProv_ins(Prov_ins pi){
        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
            String query1 ="ALTER TABLE prov_insumo AUTO_INCREMENT = 1";
            String query2 = "INSERT INTO
prov_insumo(cod_insumo,cod_prov,nom_insumo,valor_insumo) VALUES("
                    + "'" + pi.getCod_insumo()+ "',"
                    + "'" + pi.getCod_prov()+ "',"
                    + "'" + pi.getNom_insumo()+ "',"
                    + "'" + pi.getPrecio()+ "'"
                    + ")";

            Statement st = cn.createStatement();
            st.executeUpdate(query1);
            st.executeUpdate(query2);
            JOptionPane.showMessageDialog(null, "Ingresado");
        } catch (SQLException e ) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }
    }
}
```

qProducto

```
package Querys;

import classes.conexion;
import classes.producto;
import classes.usoInsumo;
import classes.usuario;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author Usuario
 */
public class qProducto {

    public DefaultTableModel buscarDatos(String txt, String buscar) {
        DefaultTableModel modelo = crearbase();
        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
            String query = "";
            buscar = buscar.trim();
            switch (buscar) {

                case "Nombre":
                    query = "SELECT P.COD_PRODUCTO, P.NOM_PROD, P.PRECIO,
P.DESCRIPCION, P.STOCK, P.COD_CATEGORIA, C.NOM_CATEGORIA "
                            + "FROM PRODUCTO P, CATEGORIA C WHERE
P.COD_CATEGORIA = C.COD_CATEGORIA AND P.NOM_PROD LIKE '%" + txt + "%'";
                    break;

                case "Código":
                    query = query = "SELECT P.COD_PRODUCTO, P.NOM_PROD,
P.PRECIO, P.DESCRIPCION, P.STOCK, P.COD_CATEGORIA, C.NOM_CATEGORIA "
                            + "FROM PRODUCTO P, CATEGORIA C WHERE
P.COD_CATEGORIA = C.COD_CATEGORIA AND P.COD_PRODUCTO LIKE '%" + txt +
"%'";
                    break;
```

```
                case "Precio":
                    query = query = "SELECT P.COD_PRODUCTO, P.NOM_PROD,
P.PRECIO, P.DESCRIPCION, P.STOCK, P.COD_CATEGORIA, C.NOM_CATEGORIA "
                            + "FROM PRODUCTO P, CATEGORIA C WHERE
P.COD_CATEGORIA = C.COD_CATEGORIA AND P.PRECIO LIKE '%" + txt + "%'";
                    break;

                case "Descripción":
                    query = query = "SELECT P.COD_PRODUCTO, P.NOM_PROD,
P.PRECIO, P.DESCRIPCION, P.STOCK, P.COD_CATEGORIA, C.NOM_CATEGORIA "
                            + "FROM PRODUCTO P, CATEGORIA C WHERE
P.COD_CATEGORIA = C.COD_CATEGORIA AND P.CATEGORIA LIKE '%" + txt + "%'";
                    break;

                case "Categoria":
                    query = "SELECT P.COD_PRODUCTO, P.NOM_PROD, P.PRECIO,
P.DESCRIPCION, P.STOCK, P.COD_CATEGORIA, C.NOM_CATEGORIA "
                            + "FROM PRODUCTO P, CATEGORIA C WHERE
P.COD_CATEGORIA = C.COD_CATEGORIA AND C.NOM_CATEGORIA LIKE '%" + txt +
"%'";
                    break;
            }

            String[] arreglo = new String[6];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
                arreglo[4] = rs.getString(5);
                arreglo[5] = rs.getString(7);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qProducto.class.getName()).log(Le
vel.SEVERE, null, ex);
            }
        }
```

```
        return modelo;

    }

    public DefaultTableModel cargardatos() {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT P.COD_PRODUCTO, P.NOM_PROD, P.PRECIO,
P.DESCRIPCION, P.STOCK, P.COD_CATEGORIA, C.NOM_CATEGORIA "
                    + "FROM PRODUCTO P, CATEGORIA C WHERE P.COD_CATEGORIA
= C.COD_CATEGORIA AND P.ELIMINADO = 0";
            String[] arreglo = new String[6];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
                arreglo[4] = rs.getString(5);
                arreglo[5] = rs.getString(7);

                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qProducto.class.getName()).log(Le
vel.SEVERE, null, ex);
            }
        }
        return modelo;
    }

    public DefaultComboBoxModel cargarDatosCMB(int index) {
```

```
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultComboBoxModel modelo = new DefaultComboBoxModel();
        try {

            String query = "SELECT nom_prod FROM producto where
cod_categoria = '" + index + "'";

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {

                modelo.addElement(rs.getString(1));

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qProducto.class.getName()).log(Le
vel.SEVERE, null, ex);
            }
        }

        return modelo;

    }

    private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Codigo");
        modelo.addColumn("Nombre");
        modelo.addColumn("Precio");
        modelo.addColumn("Descripción");
        modelo.addColumn("Stock");
        modelo.addColumn("Categoria");

        return modelo;
    }
    public int consultarProducto (producto prod) {
        conexion connection = new conexion();//conectarme a la base de
datos
```

```
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        int existe = 0;
        try {
            String query = "Select nom_prod FROM producto"
                    + " where nom_prod='" + prod.getNom_producto()+ "'";
//espacio + where para evitar error de sintaxis

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            rs.next();
            if (rs.getString(1) != null) {
                existe = 1;

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsuario.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }
        return existe;
    }
    public void agregarProducto(producto prod) {

        conexion connection = new conexion();
        Connection cn = connection.getconnect();
        int codprod = 0;
        try {
                  String query2 = "INSERT INTO producto(nom_prod,
precio, descripcion,cod_categoria) VALUES("
                   + "'" + prod.getNom_producto() + "',"
                   + "'" + prod.getPrecio() + "',"
                   + "'" + prod.getDescripcion() + "',"
                   + "'" + prod.getcodCategoria() + "'"
                   + ")";
                   Statement st = cn.createStatement();

                   st.executeUpdate(query2);


            JOptionPane.showMessageDialog(null, "Ingresado");
```

```
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProducto.class.getName()).log(Level.SEV
ERE, null, ex);
            }
        }

    }

    public void eliminarProducto(int cod) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "UPDATE producto SET "
                    + "eliminado='" + 1 + "'"
                    + " where cod_producto='" + cod + "'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null, "Eliminado");
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error al eliminar.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProducto.class.getName()).log(Level.SEV
ERE, null, ex);
            }
        }

    }

    public void modificarProducto(producto prod) {

        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
```

```
            String query = "UPDATE producto SET "
                    + "nom_prod='" + prod.getNom_producto() + "',"
                    + "precio='" + prod.getPrecio() + "',"
                    + "descripcion='" + prod.getDescripcion() + "',"
                    + "cod_categoria='" + prod.getcodCategoria() + "'"
                    + " where cod_producto='" + prod.getCod_producto() +
"'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null, "Modificado");
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProducto.class.getName()).log(Level.SEV
ERE, null, ex);
            }
        }
    }

    public String cargarCantidad(String nomprod){
         conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        String cantidad = "";
        try {


            String query = "SELECT STOCK FROM PRODUCTO WHERE NOM_PROD =
'" + nomprod+ "'";

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
            cantidad = rs.getString(1);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
```

```
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qProducto.class.getName()).log(Le
vel.SEVERE, null, ex);
            }
        }
        return cantidad;

    }

    public void añadirCantidad(String nomprod, String cantidad){
          conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "UPDATE producto SET "
                    + "stock='" + Integer.parseInt(cantidad) + "' "
                    + " where nom_prod='" + nomprod + "'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null, "Modificado");
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProducto.class.getName()).log(Level.SEV
ERE, null, ex);
            }
        }

    }

}
```

qProdCat

```
package Querys;

import classes.conexion;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.DefaultListModel;
import javax.swing.table.DefaultTableModel;

public class qProdCat {

    public DefaultTableModel platosEspeciales(DefaultTableModel modelo,
String categoria) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.

        try {

            String query = "";
            switch (categoria) {

                case "Especiales":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Especiales' and stock > 0)";
                    break;
                case "Empanadas":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Empanadas' and stock > 0)";
                    break;
                case "Ensaladas":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Ensaladas' and stock > 0)";
                    break;
                case "Agregados":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
```

```
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Agregados')";
                    break;
                case "Entradas":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Entradas' and stock > 0)";
                    break;
                case "Postres":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Postres' and stock > 0)";
                    break;
                case "Pobres":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Pobres' and stock > 0)";
                    break;
                case "Cafeteria":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Cafeteria')";
                    break;
                case "Menu del Dia":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Menu del Dia' and stock > 0)";
                    break;
                case "Para niños":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Para Niños' and stock > 0)";
                    break;
                case "Sopas":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Sopas' and stock > 0)";
                    break;
                case "Bebestibles":
                    query = "SELECT COD_PRODUCTO,NOM_PROD FROM PRODUCTO
WHERE COD_CATEGORIA = "
```

```
                            + "(SELECT COD_CATEGORIA from categoria where
nom_categoria = 'Bebestibles' and stock > 0)";
                    break;

            }
            String[] arreglo = new String[2];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);

                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProdCat.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }
        return modelo;
    }

}
```

qPedidoProducto

```
package Querys;

import classes.conexion;
import classes.pedidoProducto;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author Usuario
 */
public class qPedidoProducto {

    public void nuevoPedProd(pedidoProducto pp){
     conexion connection = new conexion();
        Connection cn = connection.getconnect();

        System.out.println(pp.getCodProd()+" "+
pp.getCodPedido()+""+pp.getCantidad());
        try {
            String query1 ="INSERT INTO
PROD_PEDIDO(COD_PROD,COD_PEDIDO,CANTIDAD) VALUES("
                    + "'" + pp.getCodProd() + "',"
                    + "'" + pp.getCodPedido() + "',"
                    + "'" + pp.getCantidad() + "'"
                    + ")";

            String query2 = "UPDATE PRODUCTO SET "
                    + "STOCK= STOCK - '" + pp.getCantidad() + "'"
                    + " where  cod_producto = '" + pp.getCodProd() + "'
AND STOCK > 0";

            Statement st = cn.createStatement();
            st.executeUpdate(query1);
            st.executeUpdate(query2);

        } catch (SQLException e ) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
```

```
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qPedidoProducto.class.getName()).log(Lev
el.SEVERE, null, ex);
            }
        }


    }

    public DefaultTableModel cargarDetalle(int codpedido){
         conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT P.NOM_PROD, PP.CANTIDAD, P.PRECIO"
                           + " FROM PROD_PEDIDO PP, PRODUCTO P"
                           + " WHERE PP.COD_PEDIDO = '"+ codpedido +"'
AND P.COD_PRODUCTO = PP.COD_PROD";

            String[] arreglo = new String[3];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);

                arreglo[1] = rs.getString(2);

                arreglo[2] =
Integer.toString(Integer.parseInt(rs.getString(3))
*Integer.parseInt(rs.getString(2)));
                modelo.addRow(arreglo);




            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
```

```
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qPedidoProducto.class.getName()).
log(Level.SEVERE, null, ex);
            }
        }
        return modelo;
    }
   private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Producto");
        modelo.addColumn("Cantidad");
        modelo.addColumn("SubTotal");
        return modelo;
    }

}
```

qPedido

```
package Querys;

import classes.conexion;
import classes.pedidoProducto;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;

public class qPedido {

    public void nuevoPedido(int codmesero, int codmesa, String[][]
arreglo) {
        Date date = new Date();
        DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd");
        DateFormat hourFormat = new SimpleDateFormat("HH:mm:ss");
        conexion connection = new conexion();
        Connection cn = connection.getconnect();
        int codped = 0;
        try {

        // String query1 = "ALTER TABLE pedido AUTO_INCREMENT = 1";
            String query2 = "INSERT INTO pedido(cod_mesa,
cod_mesero,hora_pedido,fecha) VALUES("
                    + "'" + codmesa + "',"
                    + "'" + codmesero + "',"
                    + "'" + hourFormat.format(date) + "',"
                    + "'" + dateFormat.format(date) + "'"
                    + ")";
            String query3 = "SELECT MAX(cod_pedido) from pedido";


            Statement st = cn.createStatement();

        //    st.executeUpdate(query1);
            st.executeUpdate(query2);
            ResultSet rs = st.executeQuery(query3);
            while (rs.next()) {
                codped = rs.getInt(1);
            }
```

```
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qPedido.class.getName()).log(Level.SEVER
E, null, ex);
            }
        }

        String codprod = arreglo[0][0];
        String cantidad = arreglo[0][1];
        System.out.println(codprod + " " + codped + " " + cantidad);
        for (int i = 0; i < arreglo.length; i++) {

            codprod = arreglo[i][0];
            cantidad = arreglo[i][1];
            System.out.println(codprod + " " + codped + " " + cantidad);
            pedidoProducto pp = new
pedidoProducto(Integer.parseInt(codprod), codped,
Integer.parseInt(cantidad));
            qPedidoProducto qp = new qPedidoProducto();
            qp.nuevoPedProd(pp);

        }

    }

    public DefaultTableModel cargarPedidosActivos() {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT cod_pedido, cod_mesa from pedido where
estado = 1";
            String[] arreglo = new String[2];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
```

```
                arreglo[1] = rs.getString(2);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qPedido.class.getName()).log(Leve
l.SEVERE, null, ex);
            }
        }
        return modelo;
    }

    public void cerrarPedido(int codpedido, int total, int tipopago) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        System.out.println(total + "    " + codpedido);
        try {
            String query = "UPDATE pedido SET "
                    + "estado='" + 0 + "',"
                    + "total='" + total + "',"
                    + "tipo_pago='" +tipopago +"'"
                    + "where cod_pedido='" + codpedido + "'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qPedido.class.getName()).log(Level.SEVER
E, null, ex);
            }
        }
    }

    private DefaultTableModel crearbase() {
```

```
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Código Pedido");
        modelo.addColumn("Código Mesa");

        return modelo;
    }
}
```

qMesero

```
package Querys;

import classes.Mesero;
import classes.conexion;
import classes.producto;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author pancho
 */
public class qMesero {
      public String consultarNombre(int code) {
        String nombre = " ";
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        int existe = 0;

        try {

            String query = "Select nombre FROM mesero"
                    + " where cod_mesero='" + code + "'"; //espacio +
where para evitar error de sintaxis

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            rs.next();

            nombre = rs.getString("nombre");



        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {
            try {
```

```
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qMesero.class.getName()).log(Level.SEVER
E, null, ex);
            }
        }
        return nombre;
    }

     public DefaultTableModel buscarDatos(String txt, String buscar){
         DefaultTableModel modelo = crearbase(); conexion connection =
new conexion();
         Connection cn = connection.getconnect();

     try {
         String query = "";
         buscar = buscar.trim();
         switch (buscar){

             case "Nombre" : query = "SELECT COD_MESERO, NOMBRE, FONO,
MAIL FROM MESERO WHERE NOMBRE LIKE '%"+txt+"%'"; break;

             case "Codigo" : query = "SELECT COD_MESERO, NOMBRE, FONO,
MAIL FROM MESERO WHERE COD_MESERO LIKE '%"+txt+"%'"; break;

             case "Telefono" : query = "SELECT COD_MESERO, NOMBRE, FONO,
MAIL FROM MESERO WHERE FONO LIKE '%"+txt+"%'"; break;

             case "Correo" : query = "SELECT COD_MESERO, NOMBRE, FONO,
MAIL FROM MESERO WHERE MAIL LIKE '%"+txt+"%'"; break;
         }


            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {
```

```
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;

}

    public boolean isEmail(String correo) {
Pattern pat = null;
Matcher mat = null;
pat = Pattern.compile("^([0-9a-zA-Z]([_.w]*[0-9a-zA-Z])*@([0-9a-zA-Z][-
w]*[0-9a-zA-Z].)+([a-zA-Z]{2,9}.)+[a-zA-Z]{2,3})$");
mat = pat.matcher(correo);
if (mat.find()) {
System.out.println("[" + mat.group() + "]");
return true;
}else{
return false;
}
}

    public DefaultTableModel cargardatos() {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT cod_mesero, nombre, fono, mail FROM
MESERO";
            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
```

```
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;
    }

    private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Codigo");
        modelo.addColumn("Nombre");
        modelo.addColumn("Telefono");
        modelo.addColumn("Correo");

        return modelo;
    }

    public void agregarMesero(Mesero mes){

        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
            String query1 ="ALTER TABLE mesero AUTO_INCREMENT = 1";
            String query2 = "INSERT INTO mesero(nombre, fono, mail)
VALUES("
                    + "'" + mes.getNom_mesero()+ "',"
                    + "'" + mes.getFono_mesero()+ "',"
                    + "'" + mes.getMail_mesero()+ "'"
                    + ")";

            Statement st = cn.createStatement();
            st.executeUpdate(query1);
            st.executeUpdate(query2);
            JOptionPane.showMessageDialog(null, "Ingresado");
        } catch (SQLException e ) {
```

```
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qMesero.class.getName()).log(Level.SEVER
E, null, ex);
            }
        }

    }


    public void eliminarMesero(int cod) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "Delete FROM `mesero`"
                    + " where cod_mesero='" + cod + "'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
             JOptionPane.showMessageDialog(null,"Eliminado");
        } catch (SQLException e) {
             JOptionPane.showMessageDialog(null,"Error al
eliminar.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qMesero.class.getName()).log(Level.SEVER
E, null, ex);
            }
        }


    }
    public void modificarMesero(Mesero mes){

        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
```

```
            String query = "UPDATE mesero SET "
                    + "nombre='" + mes.getNom_mesero()+ "',"
                    + "fono='" + mes.getFono_mesero() + "',"
                    + "mail='" + mes.getMail_mesero()+ "'"
                    + " where cod_mesero='" + mes.getCod_mesero()+ "'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null,"Modificado");
        } catch (SQLException e) {
                  JOptionPane.showMessageDialog(null,"Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qMesero.class.getName()).log(Level.SEVER
E, null, ex);
            }
        }
    }


}
```

qMesas

```
package Querys;

import classes.Mesas;
import classes.conexion;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;


public class qMesas {
         public DefaultTableModel buscarDatos(String txt, String buscar){
         DefaultTableModel modelo = crearbase();
         conexion connection = new conexion();
         Connection cn = connection.getconnect();

     try {
         String query = "";
         buscar = buscar.trim();
         switch (buscar){

             case "Codigo" : query = "SELECT cod_mesa, estado FROM MESA
WHERE cod_mesa LIKE '%"+txt+"%'"; break;

             case "Estado" : query = query = "SELECT cod_mesa, estado
FROM MESA WHERE estado LIKE '%"+txt+"%'"; break;


         }

            String[] arreglo = new String[3];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
```

```
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;

}


         public DefaultComboBoxModel llenarCmbestado(){
         DefaultComboBoxModel modelo = new DefaultComboBoxModel();
         modelo.addElement("0.Disponible");
         modelo.addElement("1.Ocupada");

         return modelo;
         }

        public DefaultTableModel cargardatos() {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT cod_mesa, estado FROM MESA";

            String[] arreglo = new String[3];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);

                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {
```

```
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;
    }

    private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Codigo");
        modelo.addColumn("Estado");

        return modelo;
    }

    public void agregarMesa(Mesas me){
        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
            String query1 ="ALTER TABLE mesa AUTO_INCREMENT = 1";
            String query2 = "INSERT INTO mesa(estado) VALUES("
                    + "'" + me.getEstado()+ "'"
                    + ")";

            Statement st = cn.createStatement();
            st.executeUpdate(query1);
            st.executeUpdate(query2);
            JOptionPane.showMessageDialog(null, "Ingresado");
        } catch (SQLException e ) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }
    }
```

```
    public void eliminarMesa(int cod) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "Delete FROM mesa"
                    + " where cod_mesa='" + cod + "'";
            Statement st = cn.createStatement();
            st.executeUpdate(query);
             JOptionPane.showMessageDialog(null,"Eliminado");
        } catch (SQLException e) {
             JOptionPane.showMessageDialog(null,"Error al
eliminar.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }

    }

    public void modificarMesa(Mesas me){

        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "UPDATE mesa SET "
                    + "estado='" + me.getEstado()+ "'"
                    + "where cod_mesa='" + me.getCod_mesa()+"'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null,"Modificado");
        } catch (SQLException e) {
                  JOptionPane.showMessageDialog(null,"Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
```

```
            }
        }
    }

    public void cambiarDisponibilidad(int codigo, int estado) {
       conexion connection = new conexion();
       Connection cn = connection.getconnect();

       try{
           String query = " ";
            switch (estado){
                case 1 :  query = "UPDATE mesa SET estado = 0 where
cod_mesa = '" + codigo+"'"; break;
                case 0 :  query = "UPDATE mesa SET estado = 1 where
cod_mesa = '" + codigo+"'"; break;
           }
           Statement st = cn.createStatement();
           st.executeUpdate(query);


       }catch(SQLException e) {
            System.out.println("Error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qMesas.class.getName()).log(Level
.SEVERE, null, ex);
            }

     }
    }
         public int mesasDisponibles(int codigo){
    int estado = 10;
    conexion connection = new conexion();//conectarme a la base de datos
    Connection cn = connection.getconnect(); // tener un elemento cn con
el cual nos permite hacer la sentencias.
    try {

            String query = "SELECT estado FROM mesa where cod_mesa =
'"+codigo+"'";

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {
                estado = rs.getInt(1);
```

```
            }

        } catch (SQLException e) {
            System.out.println("Error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qMesas.class.getName()).log(Level
.SEVERE, null, ex);
            }
        }


   return estado;
   }

}
```

qInsumo

```
package Querys;

import classes.insumo;
import classes.conexion;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;


public class qInsumo {
     public DefaultTableModel buscarDatos(String txt, String buscar){
         DefaultTableModel modelo = crearbase();
         conexion connection = new conexion();
         Connection cn = connection.getconnect();

     try {
         String query = "";
         buscar = buscar.trim();
         switch (buscar){

             case "Codigo" : query = "SELECT COD_INSUMO, NOM_INSUMO,
STOCK_INSUMO, unidad_medida FROM INSUMO WHERE COD_INSUMO LIKE
'%"+txt+"%'"; break;

             case "Nombre" : query = query = "SELECT COD_INSUMO,
NOM_INSUMO, STOCK_INSUMO, unidad_medida FROM INSUMO WHERE NOM_INSUMO LIKE
'%"+txt+"%'"; break;

             case "Stock" : query = query = "SELECT COD_INSUMO,
NOM_INSUMO, STOCK_INSUMO, unidad_medida FROM INSUMO WHERE STOCK_INSUMO
LIKE '%"+txt+"%'"; break;

             case "Unidad": query = "SELECT COD_INSUMO, NOM_INSUMO,
STOCK_INSUMO, unidad_medida FROM INSUMO WHERE unidad_medida LIKE
'%"+txt+"%'"; break;

         }

            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
```

```
            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;

}
     public DefaultComboBoxModel llenarCmbUnidad(){
         DefaultComboBoxModel modelo = new DefaultComboBoxModel();
         modelo.addElement("Kgs");
         modelo.addElement("grs");
         modelo.addElement("Lts");
         modelo.addElement("Uni");

         return modelo;
     }

     public DefaultTableModel cargardatos() {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        DefaultTableModel modelo = crearbase();
        try {

            // String query = "SELECT * FROM `producto`";
            String query = "SELECT COD_INSUMO, NOM_INSUMO, STOCK_INSUMO,
unidad_medida FROM insumo";

            String[] arreglo = new String[4];
            Statement st = cn.createStatement();
```

```
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                arreglo[3] = rs.getString(4);

                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
               //
Logger.getLogger(Querys.qpersona.class.getName()).log(Level.SEVERE, null,
ex);
            }
        }
        return modelo;
    }


    public DefaultComboBoxModel cargarIngredientes(){
    conexion connection = new conexion();//conectarme a la base de datos
    Connection cn = connection.getconnect(); // tener un elemento cn con
el cual nos permite hacer la sentencias.
    DefaultComboBoxModel modelo = new DefaultComboBoxModel();
    try {

            String query = "SELECT * FROM insumo";

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {
                String uni;
                uni = "";
                switch(rs.getString(4)){

                    case "Kgs":
                        uni = "Grs";
                        break;
                    case "Uni":
```

```
                        uni = "Uni";

                }
                modelo.addElement(rs.getString(2) + " - " + uni);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qInsumo.class.getName()).log(Leve
l.SEVERE, null, ex);
            }
        }


    return modelo;

}

    private DefaultTableModel crearbase() {
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Codigo");
        modelo.addColumn("Nombre");
        modelo.addColumn("Stock");
        modelo.addColumn("Unidad Medida");

        return modelo;
    }

    public void agregarInsumo(insumo ins){
        conexion connection = new conexion();
        Connection cn = connection.getconnect();

        try {
            String query1 ="ALTER TABLE insumo AUTO_INCREMENT = 1";
            String query2 = "INSERT INTO insumo(nom_insumo,stock_insumo,
unidad_medida) VALUES("
                    + "'" + ins.getNom_insumo()+ "',"
                    + "'" + ins.getStock()+ "',"
                    + "'" + ins.getUnidad() + "'"
                    + ")";

            Statement st = cn.createStatement();
```

```
            st.executeUpdate(query1);
            st.executeUpdate(query2);
            JOptionPane.showMessageDialog(null, "Ingresado");
        } catch (SQLException e ) {
            JOptionPane.showMessageDialog(null, "ERROR");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }
    }

    public void eliminarInsumo(int cod) {
        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "Delete FROM `insumo`"
                    + " where cod_insumo='" + cod + "'";
            Statement st = cn.createStatement();
            st.executeUpdate(query);
             JOptionPane.showMessageDialog(null,"Eliminado");
        } catch (SQLException e) {
             JOptionPane.showMessageDialog(null,"Error al
eliminar.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }

    }
    public void modificarInsumo(insumo ins){

        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
```

```
            String query = "UPDATE insumo SET "
                    + "NOM_INSUMO='" + ins.getNom_insumo()+ "',"
                    + "STOCK_INSUMO='" + ins.getStock() + "',"
                    + "unidad_medida='" + ins.getUnidad()+ "'"
                    + "where cod_insumo='" + ins.getCod_insumo()+"'";

            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null,"Modificado");
        } catch (SQLException e) {
                  JOptionPane.showMessageDialog(null,"Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProveedor.class.getName()).log(Level.SE
VERE, null, ex);
            }
        }
    }


}
```

qCategoria

```
package Querys;

import classes.conexion;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.DefaultComboBoxModel;
import javax.swing.table.DefaultTableModel;


public class qCategoria {

public DefaultComboBoxModel cargarDatos(){
    conexion connection = new conexion();//conectarme a la base de datos
    Connection cn = connection.getconnect(); // tener un elemento cn con
el cual nos permite hacer la sentencias.
    DefaultComboBoxModel modelo = new DefaultComboBoxModel();
    try {

            String query = "SELECT * FROM `categoria`";
            String[] arreglo = new String[6];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            while (rs.next()) {

                modelo.addElement(rs.getString(2));
            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qCategoria.class.getName()).log(L
evel.SEVERE, null, ex);
            }
        }
    return modelo;
}
}
```

qArqueo

```
package Querys;

import classes.conexion;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class qArqueo {


conexion connection = new conexion();
    Connection cn = connection.getconnect();
    Date date = new Date();
    DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd");
      DateFormat hourFormat = new SimpleDateFormat("HH:mm:ss");

    public int consultarCajaAbierta() {

        int existe = 0;

        try {

            String query = "SELECT fecha from arqueo"
                    + " where fecha ='" + dateFormat.format(date) + "'";;

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            if (rs.next() == false) {
                existe = 0;
            } else {
                existe = 1;
            }

        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "ERROR en");
            System.out.println("error" + e);
        } finally {
            try {
```

```
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qPedido.class.getName()).log(Level.SEVER
E, null, ex);
            }
        }

        return existe;
    }

    public void iniciarCaja(int monto) {

        try {

            String query2 = "INSERT INTO arqueo(fecha,monto_inicial)
VALUES("
                    + "'" + dateFormat.format(date) + "',"
                    + "'" + monto + "'"
                    + ")";

            Statement st = cn.createStatement();
            st.executeUpdate(query2);
            JOptionPane.showMessageDialog(null, "Caja iniciada.");
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Caja ya iniciada.");
            System.out.println("error" + e);
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qUsuario.class.getName()).log(Level.SEVE
RE, null, ex);
            }
        }

    }

    public void sumarTotal(int monto) {

        conexion connection = new conexion();//conectarme a la base de
datos
        Connection cn = connection.getconnect(); // tener un elemento cn
con el cual nos permite hacer la sentencias.
        try {
            String query = "UPDATE arqueo SET "
                    + "monto_final= monto_final+'" + monto + "'"
                    + " where fecha='" +  dateFormat.format(date) + "'";
```

```
            Statement st = cn.createStatement();
            st.executeUpdate(query);
            JOptionPane.showMessageDialog(null, "Modificado");
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error.");
        } finally {
            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(qProducto.class.getName()).log(Level.SEV
ERE, null, ex);
            }
        }
    }

    public int cargarInicial(){
       conexion connection = new conexion();
       Connection cn = connection.getconnect();
       int monto=0;
            try {


            String query = "SELECT monto_inicial from arqueo where Fecha
= '"+dateFormat.format(date) +"'";

            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);
            rs.next();
            monto = rs.getInt(1);


        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qPedido.class.getName()).log(Leve
l.SEVERE, null, ex);
            }
        }
        return monto;

    }
    public DefaultTableModel cargarPedidosArqueo() {
```

```
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Codigo Pedido");
        modelo.addColumn("Hora Pedido");
        modelo.addColumn("SubTotal");


            try {


            String query = "SELECT cod_pedido, hora_pedido, total from
pedido where fecha = '"+dateFormat.format(date) +"' and tipo_pago = 0";
            String[] arreglo = new String[3];
            Statement st = cn.createStatement();
            ResultSet rs = st.executeQuery(query);

            while (rs.next()) {
                arreglo[0] = rs.getString(1);
                arreglo[1] = rs.getString(2);
                arreglo[2] = rs.getString(3);
                modelo.addRow(arreglo);

            }

        } catch (SQLException e) {
            System.out.println("error" + e);
        } finally {

            try {
                connection.cerrar();
                cn.close();
            } catch (SQLException ex) {
                Logger.getLogger(Querys.qPedido.class.getName()).log(Leve
l.SEVERE, null, ex);
            }
        }
        return modelo;
    }
}
```

Clases

Usuario

```
package classes;
public class usuario {
    private int    codMesero;
    private String user;
    private String pass;
    private String permisos;

    public usuario() {
    }

    public int getCodMesero() {
        return codMesero;
    }

    public void setCodMesero(int codMesero) {
        this.codMesero = codMesero;
    }

    public String getUser() {
        return user;
    }

    public void setUser(String user) {
        this.user = user;
    }

    public String getPass() {
        return pass;
    }

    public void setPass(String pass) {
        this.pass = pass;
    }

    public String getPermisos() {
        return permisos;
    }

    public void setPermisos(String permisos) {
        this.permisos = permisos;
    }

}
```

Validaciones

```
package classes;
import java.awt.event.KeyAdapter;
import java.sql.SQLXML;
import java.text.ParseException;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
import javax.swing.JTextField;
import static javax.print.attribute.Size2DSyntax.MM;
import static jdk.nashorn.internal.objects.NativeString.trim;
import java.util.Date;
import java.util.regex.Matcher;
import java.util.regex.Pattern;


public class validaciones {

public void solonumerospositivos(java.awt.event.KeyEvent evt) {
        char c = evt.getKeyChar();
        if (c < '0' || c > '9') {
            evt.consume();
        }
    }

    public void validarstocknumerico(java.awt.event.KeyEvent evt) {
        char c = evt.getKeyChar();
        if (c > '9' || c == ' ') {
            evt.consume();
        }
    }

    public void validarlargonumerico(java.awt.event.KeyEvent evt,
JTextField jt, int lim) {
        int limite = lim;

        if (jt.getText().length() == limite) {
            evt.consume();
        }
    }

    public void validarlargoalfa(java.awt.event.KeyEvent evt, JTextField
jt, int lim) {
        int limite = lim;

        if (jt.getText().length() == limite) {
            evt.consume();
        }
    }
```

```
      public boolean isEmail(String correo) {
      Pattern pat = null;

      Matcher mat = null;
      pat = Pattern.compile("^([0-9a-zA-Z]([_.w]*[0-9a-zA-Z])*@([0-9a-zA-
Z][-w]*[0-9a-zA-Z].)+([a-zA-Z]{2,9}.)+[a-zA-Z]{2,3})$");
      mat = pat.matcher(correo);
      if (mat.find()) {
          System.out.println("[" + mat.group() + "]");
          return true;
      }else{
          return false;
      }
     }

      public  boolean validarVacios(String usuario, String pass){
     boolean error=false;
     usuario=usuario.trim();
     pass=pass.trim();

      //validando que no esten vacias.
        if(usuario.isEmpty())
           error= true;
        if(pass.isEmpty())
           error= true;

      return error;
}


    public static Date ParseFecha(String fecha) throws ParseException {
            SimpleDateFormat formatoDelTexto = new
SimpleDateFormat("yyyy-MM-dd");
              Date parsed =  formatoDelTexto.parse(fecha);
        java.sql.Date sql = new java.sql.Date(parsed.getTime());
         return sql;
    }



}
```

UsoInsumo

```java
package classes;

public class usoInsumo {
private int codProd;
private int codInsumo;
private int cantidad;

    public usoInsumo(int codProd, int codInsumo, int cantidad) {
        this.codProd = codProd;
        this.codInsumo = codInsumo;
        this.cantidad = cantidad;
    }

    public int getCodProd() {
        return codProd;
    }

    public void setCodProd(int codProd) {
        this.codProd = codProd;
    }

    public int getCodInsumo() {
        return codInsumo;
    }

    public void setCodInsumo(int codInsumo) {
        this.codInsumo = codInsumo;
    }

    public int getCantidad() {
        return cantidad;
    }

    public void setCantidad(int cantidad) {
        this.cantidad = cantidad;
    }

}
```

Proveedor

```java
package classes;

/**
 *
 * @author pancho
 */
public class Proveedor {
    private Integer cod_prov;
    private String nom_prov;
    private String mail_prov;
    private String fono_prov;

    public Proveedor(String nombre, String correo, String telefono) {
      this.nom_prov = nombre;
      this.mail_prov = correo;
      this.fono_prov = telefono;
    }

    public Proveedor() {
    }


    public Integer getCod_prov(){
        return cod_prov;
    }

    public void SetCod_prov(Integer cod_prov){
        this.cod_prov = cod_prov;
    }

    public String getNom_prov(){
        return nom_prov;
    }

    public void setNom_prov(String nom_prov){
        this.nom_prov = nom_prov;
    }

    public String getMail_prov(){
        return mail_prov;
    }
    public void setMail_prov(String mail_prov){
        this.mail_prov = mail_prov;
    }
    public String getFono_prov(){
        return fono_prov;
    }
```

```
    public void setFono_prov(String fono_prov){
        this.fono_prov = fono_prov;
    }
}
```

Prov_ins

```
package classes;
public class Prov_ins {
    private Integer cod_prov_ins;
    private Integer cod_prov;
    private String  nom_insumo;
    private Integer cod_insumo;
    private Integer precio;

    public Prov_ins(Integer cod_prov,Integer cod_insumo ,String
nom_insumo, Integer precio){
        this.cod_prov = cod_prov;
        this.nom_insumo = nom_insumo;
        this.cod_insumo = cod_insumo;
        this.precio = precio;
    }

    public Prov_ins() {
    }
    public Integer getCod_prov(){
        return cod_prov;
    }
    public void setCod_prov(Integer cod_prov){
        this.cod_prov = cod_prov;
    }

    public String getNom_insumo(){
        return nom_insumo;
    }
    public void setCod_prov(String nom_insumo){
        this.nom_insumo = nom_insumo;
    }

    public Integer getCod_insumo(){
        return cod_insumo;
    }
    public void setCod_insumo(Integer cod_insumo){
        this.cod_insumo = cod_insumo;
    }

    public Integer getPrecio(){
        return precio;
    }
    public void setPrecio(Integer precio){
        this.precio = precio;
    }
}
```

Producto

```
package classes;


public class producto {
    private int cod_producto;
    private String nom_producto;
    private int precio;
    private String descripcion;
    private int stock;
    private int codCategoria;

    public producto() {
    }

    public producto(String nom_producto, int precio, String descripcion,
int categoria) {
        this.nom_producto = nom_producto;
        this.precio = precio;
        this.descripcion = descripcion;
        this.codCategoria = categoria;
    }

    public int getCod_producto() {
        return cod_producto;
    }

    public void setCod_producto(int cod_producto) {
        this.cod_producto = cod_producto;
    }

    public String getNom_producto() {
        return nom_producto;
    }

    public void setNom_producto(String nom_producto) {
        this.nom_producto = nom_producto;
    }

    public int getPrecio() {
        return precio;
    }

    public void setPrecio(int precio) {
        this.precio = precio;
    }

    public String getDescripcion() {
```

```
        return descripcion;
    }

    public void setDescripcion(String descripcion) {
        this.descripcion = descripcion;
    }

    public int getStock() {
        return stock;
    }

    public void setStock(int stock) {
        this.stock = stock;
    }

    public int getcodCategoria() {
        return codCategoria;
    }

    public void setcodCategoria(int categoria) {
        this.codCategoria = categoria;
    }



}
```

PedidoProducto

```java
package classes;

public class pedidoProducto {
private int codProd;
private int codPedido;
private int cantidad;

    public pedidoProducto(int codProd, int codPedido, int cantidad) {
        this.codProd = codProd;
        this.codPedido = codPedido;
        this.cantidad = cantidad;
    }

    public int getCodProd() {
        return codProd;
    }

    public void setCodProd(int codProd) {
        this.codProd = codProd;
    }

    public int getCodPedido() {
        return codPedido;
    }

    public void setCodPedido(int codPedido) {
        this.codPedido = codPedido;
    }

    public int getCantidad() {
        return cantidad;
    }

    public void setCantidad(int cantidad) {
        this.cantidad = cantidad;
    }

}
```

Pedido

```
package classes;
/**
 *
 */
public class pedido {

    private int cod_pedido;
    private int cod_mesa;
    private int cod_mesero;
    private String hora;
    private String fecha;
    private int  estado;
    private int total;
    private int eliminado;
    private int tipo_pago;


    public int getEstado() {
        return estado;
    }

    public void setEstado(int estado) {
        this.estado = estado;
    }

    public int getTotal() {
        return total;
    }

    public void setTotal(int total) {
        this.total = total;
    }

    public int getEliminado() {
        return eliminado;
    }

    public void setEliminado(int eliminado) {
        this.eliminado = eliminado;
    }

    public int getTipo_pago() {
        return tipo_pago;
    }

    public void setTipo_pago(int tipo_pago) {
        this.tipo_pago = tipo_pago;
```

```
    }


    public int getCod_pedido() {
        return cod_pedido;
    }

    public void setCod_pedido(int cod_pedido) {
        this.cod_pedido = cod_pedido;
    }

    public int getCod_mesa() {
        return cod_mesa;
    }

    public void setCod_mesa(int cod_mesa) {
        this.cod_mesa = cod_mesa;
    }

    public int getCod_mesero() {
        return cod_mesero;
    }

    public void setCod_mesero(int cod_mesero) {
        this.cod_mesero = cod_mesero;
    }

    public String getHora() {
        return hora;
    }

    public void setHora(String hora) {
        this.hora = hora;
    }

    public String getFecha() {
        return fecha;
    }

    public void setFecha(String fecha) {
        this.fecha = fecha;
    }

}
```

Mesero

```java
package classes;

/**
 *
 * @author pancho
 */
public class Mesero {
    private Integer cod_mesero;
    private String nom_mesero;
    private String fono_mesero;
    private String mail_mesero;

    public Mesero(String nombre, String telefono, String correo) {
        this.nom_mesero = nombre;
        this.fono_mesero = telefono;
        this.mail_mesero = correo;
    }
    public Mesero(){
    }

    public Mesero(int codMesero) {
    }

    public Integer getCod_mesero(){
        return cod_mesero;
    }
    public void setCod_mesero(Integer cod_mesero){
        this.cod_mesero = cod_mesero;
    }

    public String getNom_mesero(){
        return nom_mesero;
    }
    public void setNom_mesero(String nom_mesero){
        this.nom_mesero = nom_mesero;
    }

    public String getFono_mesero(){
        return fono_mesero;
    }
    public void setFono_mesero(String fono_mesero){
        this.fono_mesero = fono_mesero;
    }

    public String getMail_mesero(){
        return mail_mesero;
    }
```

```
    public void setMail_mesero(String mail_mesero){
        this.mail_mesero = mail_mesero;
    }
}
```

Mesas

```java
package classes;

public class Mesas {
    private Integer cod_mesa;
    private Integer estado;

    public Mesas(Integer estado){
        this.estado = estado;
    }

    public Mesas(){

    }

    public Integer getCod_mesa(){
        return cod_mesa;
    }

    public void setCod_mesa(Integer cod_mesa){
        this.cod_mesa = cod_mesa;
    }

    public Integer getEstado(){
        return estado;
    }

    public void setEstado(Integer estado){
        this.estado = estado;
    }

}
```

Mesa

```
package classes;

public class mesa {
private int cod_mesa;
private byte estado;

    public int getCod_mesa() {
        return cod_mesa;
    }

    public void setCod_mesa(int cod_mesa) {
        this.cod_mesa = cod_mesa;
    }

    public byte getEstado() {
        return estado;
    }

    public void setEstado(byte estado) {
        this.estado = estado;
    }

}
```

Insumo

```
ackage classes;


public class insumo {
    private Integer cod_insumo;
    private String nom_insumo;
    private Integer stock;
    private String unidad;

    public insumo(String nombre, Integer cantidad, String unidad) {
         this.nom_insumo = nombre;
         this.stock = cantidad;
         this.unidad = unidad;
    }



    public insumo() {
    }



    public Integer getCod_insumo() {
        return cod_insumo;
    }

    public void setCod_insumo(Integer cod_insumo) {
        this.cod_insumo = cod_insumo;
    }

    public String getNom_insumo() {
        return nom_insumo;
    }

    public void setNom_insumo(String nom_insumo) {
        this.nom_insumo = nom_insumo;
    }

    public Integer getStock() {
        return stock;
    }

    public void setStock(Integer stock) {
        this.stock = stock;
    }

    public String getUnidad() {
```

```
        return unidad;
    }

    public void setUnidad(String unidad) {
        this.unidad = unidad;
    }


}
```

Conexion

```
package classes;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;

/**
 *
 * @author Ivan
 */
public class conexion {

    Connection conecta3;
   // String url = "localhost"; // Url es una var local. Redireccionar mi
BD. Decir donde esta fisicamente
  //  String BD = "basedatos";
    String usuario = "root";
    String password = "";

    public conexion() {
        try {
            Class.forName("com.mysql.jdbc.Driver");   //Nombre del driver
de conexion
        } catch (ClassNotFoundException ex) {

        }
        try {
            conecta3 = (Connection)
DriverManager.getConnection("jdbc:mysql://" + "localhost/" +
"bdrinconcriollo2", usuario, password);
        } catch (SQLException ex) {
            System.out.println(""+ex);

        }
    }


  public Connection getconnect(){
      return conecta3;
  }

  public void cerrar(){
      if (conecta3 != null){
          try {
              conecta3.close();
```

```
            } catch (SQLException ex) {
                System.out.println("ya esta cerrado"+ex);
            }
        }
    }

}
```

Categoria

```java
package classes;

/**
 *
 * @author Usuario
 */
public class categoria {

    private String cod_cat;
    private String nom_cat;

    public String getCod_cat() {
        return cod_cat;
    }

    public void setCod_cat(String cod_cat) {
        this.cod_cat = cod_cat;
    }

    public String getNom_cat() {
        return nom_cat;
    }

    public void setNom_cat(String nom_cat) {
        this.nom_cat = nom_cat;
    }



}
```

Arqueo

```java
package classes;

import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;

/**
 *
 * @author Usuario
 */
public class arqueo {
    DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd");
    Date date = new Date();
    private int montoInicial;
    private String  fecha = dateFormat.format(date);
    private int montoFinal;

    public arqueo(int montoInicial, int montoFinal) {
        this.montoInicial = montoInicial;
        this.montoFinal = montoFinal;
    }

    public arqueo(int montoInicial) {
        this.montoInicial = montoInicial;
    }

    public DateFormat getDateFormat() {
        return dateFormat;
    }

    public void setDateFormat(DateFormat dateFormat) {
        this.dateFormat = dateFormat;
    }

    public Date getDate() {
        return date;
    }

    public void setDate(Date date) {
        this.date = date;
    }

    public int getMontoInicial() {
        return montoInicial;
    }

    public void setMontoInicial(int montoInicial) {
```

```
        this.montoInicial = montoInicial;
    }

    public String getFecha() {
        return fecha;
    }

    public void setFecha(String fecha) {
        this.fecha = fecha;
    }

    public int getMontoFinal() {
        return montoFinal;
    }

    public void setMontoFinal(int montoFinal) {
        this.montoFinal = montoFinal;
    }



}
```

Formas

ModInsumo.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
    <Property name="preferredSize" type="java.awt.Dimension"
editor="org.netbeans.beaninfo.editors.DimensionEditor">
      <Dimension value="[326, 300]"/>
    </Property>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <EmptySpace min="-2" pref="33" max="-2" attributes="0"/>
              <Group type="103" groupAlignment="1" attributes="0">
```

```
                <Component id="codIns" min="-2" pref="54" max="-2"
attributes="0"/>
                <Group type="103" groupAlignment="0" max="-2"
attributes="0">
                    <Group type="102" alignment="0" attributes="0">
                        <Component id="jButton1" min="-2" max="-2"
attributes="0"/>
                        <EmptySpace max="32767" attributes="0"/>
                        <Component id="jButton2" min="-2" max="-2"
attributes="0"/>
                    </Group>
                    <Group type="102" alignment="0" attributes="0">
                        <Group type="103" groupAlignment="0"
attributes="0">
                            <Component id="jLabel1" alignment="0"
min="-2" max="-2" attributes="0"/>
                            <Component id="jLabel2" alignment="0"
min="-2" max="-2" attributes="0"/>
                            <Component id="jLabel3" alignment="0"
min="-2" max="-2" attributes="0"/>
                        </Group>
                        <EmptySpace min="55" pref="55" max="-2"
attributes="0"/>
                        <Group type="103" groupAlignment="0"
attributes="0">
                            <Group type="103" alignment="0"
groupAlignment="1" attributes="0">
                                <Component id="cantIns" alignment="1"
min="-2" pref="107" max="-2" attributes="0"/>
                                <Component id="nomIns" alignment="1"
min="-2" pref="107" max="-2" attributes="0"/>
                            </Group>
                            <Component id="cmbUni" alignment="1" min="-
2" pref="107" max="-2" attributes="0"/>
                        </Group>
                    </Group>
                </Group>
            </Group>
            <EmptySpace pref="34" max="32767" attributes="0"/>
        </Group>
    </Group>
</DimensionLayout>
<DimensionLayout dim="1">
    <Group type="103" groupAlignment="0" attributes="0">
        <Group type="102" alignment="0" attributes="0">
            <EmptySpace min="-2" pref="23" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
                <Component id="jLabel1" alignment="1" min="-2" max="-2"
attributes="0"/>
```

```
                <Component id="nomIns" alignment="1" min="-2" max="-2"
attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="33" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
                <Component id="jLabel2" alignment="1" min="-2" max="-2"
attributes="0"/>
                <Component id="cantIns" alignment="1" min="-2" max="-2"
attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="34" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
                <Component id="jLabel3" alignment="1" min="-2" max="-2"
attributes="0"/>
                <Component id="cmbUni" alignment="1" min="-2" max="-2"
attributes="0"/>
            </Group>
            <EmptySpace type="separate" max="-2" attributes="0"/>
            <Component id="codIns" min="-2" max="-2" attributes="0"/>
            <EmptySpace pref="34" max="32767" attributes="0"/>
            <Group type="103" groupAlignment="3" attributes="0">
                <Component id="jButton1" alignment="3" min="-2" max="-
2" attributes="0"/>
                <Component id="jButton2" alignment="3" min="-2" max="-
2" attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="55" max="-2" attributes="0"/>
        </Group>
    </Group>
  </DimensionLayout>
 </Layout>
 <SubComponents>
  <Component class="javax.swing.JLabel" name="jLabel2">
    <Properties>
      <Property name="text" type="java.lang.String" value="Cantidad:"/>
    </Properties>
  </Component>
  <Component class="javax.swing.JLabel" name="jLabel3">
    <Properties>
      <Property name="text" type="java.lang.String" value="Unidad
Medida"/>
    </Properties>
  </Component>
  <Component class="javax.swing.JTextField" name="nomIns">
  </Component>
  <Component class="javax.swing.JTextField" name="cantIns">
  </Component>
  <Component class="javax.swing.JComboBox" name="cmbUni">
    <Properties>
```

```
        <Property name="model" type="javax.swing.ComboBoxModel"
editor="org.netbeans.modules.form.editors2.ComboBoxModelEditor">
          <StringArray count="4">
            <StringItem index="0" value="Item 1"/>
            <StringItem index="1" value="Item 2"/>
            <StringItem index="2" value="Item 3"/>
            <StringItem index="3" value="Item 4"/>
          </StringArray>
        </Property>
      </Properties>
      <AuxValues>
        <AuxValue name="JavaCodeGenerator_TypeParameters"
type="java.lang.String" value="&lt;String&gt;"/>
      </AuxValues>
    </Component>
    <Component class="javax.swing.JButton" name="jButton1">
      <Properties>
        <Property name="text" type="java.lang.String" value="Aceptar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton1ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JButton" name="jButton2">
      <Properties>
        <Property name="text" type="java.lang.String" value="Cancelar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton2ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JLabel" name="jLabel1">
      <Properties>
        <Property name="text" type="java.lang.String" value="Nombre de
Insumo:"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JTextField" name="codIns">
      <Properties>
        <Property name="enabled" type="boolean" value="false"/>
        <Property name="focusable" type="boolean" value="false"/>
      </Properties>
    </Component>
```

```
  </SubComponents>
</Form>
```

ModInsumo.java

```
package frames.mantenedores;

import Querys.qInsumo;
import classes.insumo;
import classes.insumo;
import javax.swing.JOptionPane;

/**
 *
 * @author pancho
 */
public class ModInsumo extends javax.swing.JFrame {

    /**
     * Creates new form ModInsumo
     */
    public ModInsumo(insumo ins) {
        initComponents();
        codIns.setVisible(false);
        this.setLocationRelativeTo(null);
        nomIns.setText(ins.getNom_insumo());
        cantIns.setText(ins.getStock().toString());
        cmbUni.setSelectedItem(ins.getUnidad());
        codIns.setText(Integer.toString(ins.getCod_insumo()));
        this.setLocationRelativeTo(null);
        qInsumo qi = new qInsumo();
        cmbUni.setModel(qi.llenarCmbUnidad());

    }

    private ModInsumo() {
        throw new UnsupportedOperationException("Not supported yet.");
//To change body of generated methods, choose Tools | Templates.
    }

    /**
     * This method is called from within the constructor to initialize
the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {
```

```
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        nomIns = new javax.swing.JTextField();
        cantIns = new javax.swing.JTextField();
        cmbUni = new javax.swing.JComboBox<>();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        codIns = new javax.swing.JTextField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);
        setPreferredSize(new java.awt.Dimension(326, 300));

        jLabel2.setText("Cantidad:");

        jLabel3.setText("Unidad Medida");

        cmbUni.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Item 1", "Item 2", "Item 3", "Item 4" }));

        jButton1.setText("Aceptar");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton2.setText("Cancelar");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jLabel1.setText("Nombre de Insumo:");

        codIns.setEnabled(false);
        codIns.setFocusable(false);

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(33, 33, 33)
```

```
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(codIns,
javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createParallelGroup(javax.swing.Grou
pLayout.Alignment.LEADING, false)
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(jButton1)
                            .addPreferredGap(javax.swing.LayoutStyle.Comp
onentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                            .addComponent(jButton2))
                        .addGroup(layout.createSequentialGroup()
                            .addGroup(layout.createParallelGroup(javax.sw
ing.GroupLayout.Alignment.LEADING)
                                .addComponent(jLabel1)
                                .addComponent(jLabel2)
                                .addComponent(jLabel3))
                            .addGap(55, 55, 55)
                            .addGroup(layout.createParallelGroup(javax.sw
ing.GroupLayout.Alignment.LEADING)
                                .addGroup(layout.createParallelGroup(java
x.swing.GroupLayout.Alignment.TRAILING)
                                    .addComponent(cantIns,
javax.swing.GroupLayout.PREFERRED_SIZE, 107,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(nomIns,
javax.swing.GroupLayout.PREFERRED_SIZE, 107,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addComponent(cmbUni,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 107,
javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addContainerGap(34, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(23, 23, 23)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(jLabel1)
                    .addComponent(nomIns,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(33, 33, 33)
```

```
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(jLabel2)
                    .addComponent(cantIns,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(34, 34, 34)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(jLabel3)
                    .addComponent(cmbUni,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18)
                .addComponent(codIns,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 34, Short.MAX_VALUE)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.BASELINE)
                    .addComponent(jButton1)
                    .addComponent(jButton2))
                .addGap(55, 55, 55))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed
       int resp = JOptionPane.showConfirmDialog(null, "¿Desea
Modificar?", "Modificar", JOptionPane.YES_NO_OPTION,
JOptionPane.ERROR_MESSAGE);

        if (resp != 1) {
            insumo ins = new insumo();
            if (nomIns.getText().equals("")){
                JOptionPane.showMessageDialog(null, "Debe ingresar un
nombre");
            }else{
                if(cantIns.getText().equals("")){
                    JOptionPane.showMessageDialog(null, "Debe Ingresar
Cantidad");
                }else{
```

```
            ins.setNom_insumo(nomIns.getText());
            ins.setStock(Integer.parseInt(cantIns.getText()));
            ins.setUnidad(cmbUni.getSelectedItem().toString());
            ins.setCod_insumo(Integer.parseInt(codIns.getText()));

            qInsumo qp = new qInsumo();
            qp.modificarInsumo(ins);
            frmInsumo vp = new frmInsumo();
            vp.setVisible(true);
            this.dispose();
                }
            }
        }

    }//GEN-LAST:event_jButton1ActionPerformed

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton2ActionPerformed
      frmInsumo vp = new frmInsumo();
      vp.setVisible(true);
      this.dispose();
    }//GEN-LAST:event_jButton2ActionPerformed

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(ModInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
```

```
            java.util.logging.Logger.getLogger(ModInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(ModInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(ModInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new ModInsumo().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JTextField cantIns;
    private javax.swing.JComboBox<String> cmbUni;
    private javax.swing.JTextField codIns;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JTextField nomIns;
    // End of variables declaration//GEN-END:variables
}
```

frmAddMesa.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <EmptySpace min="-2" pref="46" max="-2" attributes="0"/>
              <Group type="103" groupAlignment="0" max="-2"
attributes="0">
                  <Group type="102" alignment="0" attributes="0">
                      <Component id="jButton1" min="-2" max="-2"
attributes="0"/>
                      <EmptySpace pref="107" max="32767" attributes="0"/>
                      <Component id="jButton2" min="-2" max="-2"
attributes="0"/>
                  </Group>
```

```
                <Group type="102" alignment="1" attributes="0">
                    <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace pref="95" max="32767" attributes="0"/>
                    <Component id="cmbEstado" min="-2" pref="121"
max="-2" attributes="0"/>
                </Group>
            </Group>
            <EmptySpace pref="42" max="32767" attributes="0"/>
        </Group>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
            <EmptySpace min="-2" pref="22" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
                <Component id="jLabel1" alignment="1" min="-2" max="-2"
attributes="0"/>
                <Component id="cmbEstado" alignment="1" min="-2" max="-
2" attributes="0"/>
            </Group>
            <EmptySpace pref="35" max="32767" attributes="0"/>
            <Group type="103" groupAlignment="3" attributes="0">
                <Component id="jButton1" alignment="3" min="-2" max="-
2" attributes="0"/>
                <Component id="jButton2" alignment="3" min="-2" max="-
2" attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="62" max="-2" attributes="0"/>
        </Group>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Component class="javax.swing.JLabel" name="jLabel1">
      <Properties>
        <Property name="text" type="java.lang.String" value="Estado:"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JButton" name="jButton1">
      <Properties>
        <Property name="text" type="java.lang.String" value="Cancelar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton1ActionPerformed"/>
```

```
      </Events>
    </Component>
    <Component class="javax.swing.JButton" name="jButton2">
      <Properties>
        <Property name="text" type="java.lang.String" value="Aceptar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton2ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JComboBox" name="cmbEstado">
      <Properties>
        <Property name="model" type="javax.swing.ComboBoxModel"
editor="org.netbeans.modules.form.editors2.ComboBoxModelEditor">
          <StringArray count="4">
            <StringItem index="0" value="Item 1"/>
            <StringItem index="1" value="Item 2"/>
            <StringItem index="2" value="Item 3"/>
            <StringItem index="3" value="Item 4"/>
          </StringArray>
        </Property>
      </Properties>
      <AuxValues>
        <AuxValue name="JavaCodeGenerator_TypeParameters"
type="java.lang.String" value="&lt;String&gt;"/>
      </AuxValues>
    </Component>
  </SubComponents>
</Form>
```

frmAddMesa.java

```
package frames.mantenedores;

import Querys.qMesas;
import classes.Mesas;
import javax.swing.JOptionPane;

/**
 *
 * @author pancho
 */
public class frmAddMesa extends javax.swing.JFrame {

    /** Creates new form frmAddMesa */
    public frmAddMesa() {
        initComponents();
        this.setLocationRelativeTo(null);
        qMesas qm = new qMesas();
        cmbEstado.setModel(qm.llenarCmbestado());
    }

    /** This method is called from within the constructor to
     * initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is
     * always regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        cmbEstado = new javax.swing.JComboBox<>();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        jLabel1.setText("Estado:");

        jButton1.setText("Cancelar");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
```

```
        jButton2.setText("Aceptar");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        cmbEstado.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Item 1", "Item 2", "Item 3", "Item 4" }));

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(46, 46, 46)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.LEADING, false)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(jButton1)
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.RELATED, 107, Short.MAX_VALUE)
                        .addComponent(jButton2))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                        .addComponent(jLabel1)
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.RELATED, 95, Short.MAX_VALUE)
                        .addComponent(cmbEstado,
javax.swing.GroupLayout.PREFERRED_SIZE, 121,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(42, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(22, 22, 22)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(jLabel1)
                    .addComponent(cmbEstado,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 35, Short.MAX_VALUE)
```

```
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.BASELINE)
                    .addComponent(jButton1)
                    .addComponent(jButton2))
                .addGap(62, 62, 62))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton2ActionPerformed

            qMesas qm = new qMesas();
            // Rescatar datos desde formulario.
            Integer estado;
            estado = cmbEstado.getSelectedIndex();
            Mesas me = new Mesas(estado);
            qm.agregarMesa(me);
            frmMesa vm = new frmMesa();
            vm.setVisible(true);
            this.dispose();

    }//GEN-LAST:event_jButton2ActionPerformed

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed
        frmMesa vm = new frmMesa();
        vm.setVisible(true);
        this.dispose();

    }//GEN-LAST:event_jButton1ActionPerformed

    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
```

```
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmAddMesa.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmAddMesa.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmAddMesa.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmAddMesa.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmAddMesa().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JComboBox<String> cmbEstado;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    // End of variables declaration//GEN-END:variables

}
```

frmAddMesero.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="1" attributes="0">
              <Group type="103" groupAlignment="1" attributes="0">
                  <Group type="102" attributes="0">
                      <EmptySpace min="-2" pref="51" max="-2"
attributes="0"/>
                      <Group type="103" groupAlignment="1"
attributes="0">
                          <Component id="jLabel3" min="-2" max="-2"
attributes="0"/>
                          <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
```

```
                        <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                    </Group>
                    <EmptySpace min="-2" pref="38" max="-2"
attributes="0"/>
                    <Group type="103" groupAlignment="0"
attributes="0">
                        <Component id="txtmail" max="32767"
attributes="0"/>
                        <Component id="txttel" max="32767"
attributes="0"/>
                        <Component id="txtnom" alignment="0"
max="32767" attributes="0"/>
                    </Group>
                </Group>
                <Group type="102" alignment="0" attributes="0">
                    <EmptySpace min="-2" pref="39" max="-2"
attributes="0"/>
                    <Component id="jButton1" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace pref="103" max="32767" attributes="0"/>
                    <Component id="jButton2" min="-2" max="-2"
attributes="0"/>
                </Group>
            </Group>
            <EmptySpace min="-2" pref="46" max="-2" attributes="0"/>
        </Group>
    </Group>
</DimensionLayout>
<DimensionLayout dim="1">
    <Group type="103" groupAlignment="0" attributes="0">
        <Group type="102" alignment="0" attributes="0">
            <EmptySpace min="-2" pref="25" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
                <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                <Component id="txtnom" min="-2" max="-2"
attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="25" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
                <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
                <Component id="txttel" min="-2" max="-2"
attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="28" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
```

```
                    <Component id="jLabel3" min="-2" max="-2"
attributes="0"/>
                    <Component id="txtmail" min="-2" max="-2"
attributes="0"/>
                </Group>
                <EmptySpace pref="60" max="32767" attributes="0"/>
                <Group type="103" groupAlignment="3" attributes="0">
                    <Component id="jButton1" alignment="3" min="-2" max="-
2" attributes="0"/>
                    <Component id="jButton2" alignment="3" min="-2" max="-
2" attributes="0"/>
                </Group>
                <EmptySpace min="-2" pref="33" max="-2" attributes="0"/>
            </Group>
        </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Component class="javax.swing.JLabel" name="jLabel1">
      <Properties>
        <Property name="text" type="java.lang.String" value="Nombre
Mesero:"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JTextField" name="txtnom">
    </Component>
    <Component class="javax.swing.JButton" name="jButton1">
      <Properties>
        <Property name="text" type="java.lang.String" value="Cancelar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton1ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JLabel" name="jLabel2">
      <Properties>
        <Property name="text" type="java.lang.String" value="Telefono:"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JLabel" name="jLabel3">
      <Properties>
        <Property name="text" type="java.lang.String" value="Correo:"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JTextField" name="txttel">
      <Events>
```

```
        <EventHandler event="keyTyped"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="txttelKeyTyped"/>
      </Events>
    </Component>
    <Component class="javax.swing.JTextField" name="txtmail">
    </Component>
    <Component class="javax.swing.JButton" name="jButton2">
      <Properties>
        <Property name="text" type="java.lang.String" value="Aceptar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton2ActionPerformed"/>
      </Events>
    </Component>
  </SubComponents>
</Form>
```

frmAddMesero.java

```
package frames.mantenedores;

import Querys.qMesero;
import classes.Mesero;
import javax.swing.JOptionPane;
import classes.conexion;

/**
 *
 * @author pancho
 */
public class frmAddMesero extends javax.swing.JFrame {

    /**
     * Creates new form frmAddMesero
     */
    public frmAddMesero() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize
the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        txtnom = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        txttel = new javax.swing.JTextField();
        txtmail = new javax.swing.JTextField();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        jLabel1.setText("Nombre Mesero:");

        jButton1.setText("Cancelar");
```

```
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jLabel2.setText("Telefono:");

        jLabel3.setText("Correo:");

        txttel.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txttelKeyTyped(evt);
            }
        });

        jButton2.setText("Aceptar");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(51, 51, 51)
                        .addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.TRAILING)
                            .addComponent(jLabel3)
                            .addComponent(jLabel2)
                            .addComponent(jLabel1))
                        .addGap(38, 38, 38)
                        .addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.LEADING)
                            .addComponent(txtmail)
                            .addComponent(txttel)
                            .addComponent(txtnom)))
                    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
layout.createSequentialGroup()
                        .addGap(39, 39, 39)
```

```
                        .addComponent(jButton1)
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.RELATED, 103, Short.MAX_VALUE)
                        .addComponent(jButton2)))
                .addGap(46, 46, 46))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(25, 25, 25)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(jLabel1)
                    .addComponent(txtnom,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(25, 25, 25)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(jLabel2)
                    .addComponent(txttel,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(28, 28, 28)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(jLabel3)
                    .addComponent(txtmail,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 60, Short.MAX_VALUE)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.BASELINE)
                    .addComponent(jButton1)
                    .addComponent(jButton2))
                .addGap(33, 33, 33))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton2ActionPerformed
        qMesero qmm = new qMesero();
```

```
        if (txtnom.getText().equals("")){
            JOptionPane.showMessageDialog(null, "Ingrese Nombre");

        }else{
            if (txttel.getText().equals("")){
            JOptionPane.showMessageDialog(null, "Ingrese Telefono");
            }else{
                if (txtmail.getText().equals("")){
                    JOptionPane.showMessageDialog(null, "Ingrese
Correo");
                }else{
                     if(qmm.isEmail(txtmail.getText().toString())){
             qMesero qm = new qMesero();
             // Rescatar datos desde formulario.
             String nombre, correo,telefono;
             nombre = txtnom.getText();
             telefono = txttel.getText();
             correo = txtmail.getText();
             // Crea instancia producto.
             Mesero mes = new Mesero(nombre,telefono,correo);
             qm.agregarMesero(mes);
             frmMesero vm = new frmMesero();
             vm.setVisible(true);
             this.dispose();
             }else{
               JOptionPane.showMessageDialog(null, "Correo Invalido");
              }
            }
        }
        }
    }//GEN-LAST:event_jButton2ActionPerformed

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed
        frmMesero vM = new frmMesero();
        vM.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_jButton1ActionPerformed

    private void txttelKeyTyped(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_txttelKeyTyped
        char car = evt.getKeyChar();
        if( txttel.getText().length()>=9 ) evt.consume();
        if(( car<'0' || car>'9' )) evt.consume();
    }//GEN-LAST:event_txttelKeyTyped

    /**
     * @param args the command line arguments
     */
```

```
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmAddMesero.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmAddMesero.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmAddMesero.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmAddMesero.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmAddMesero().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JTextField txtmail;
    private javax.swing.JTextField txtnom;
```

```
    private javax.swing.JTextField txttel;
    // End of variables declaration//GEN-END:variables
}
```

frmAddProv.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.5" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <EmptySpace min="-2" pref="40" max="-2" attributes="0"/>
              <Group type="103" groupAlignment="0" attributes="0">
                  <Group type="102" alignment="0" attributes="0">
                      <Component id="jLabel4" min="-2" pref="0" max="-2"
attributes="0"/>
                      <EmptySpace max="32767" attributes="0"/>
                  </Group>
                  <Group type="102" alignment="0" attributes="0">
                      <Group type="103" groupAlignment="0"
attributes="0">
```

```
                        <Group type="102" attributes="0">
                            <Group type="103" groupAlignment="1"
attributes="0">
                                <Component id="jLabel1" min="-2" max="-
2" attributes="0"/>
                                <Component id="jLabel2" min="-2" max="-
2" attributes="0"/>
                                <Component id="jLabel3" min="-2" max="-
2" attributes="0"/>
                            </Group>
                            <EmptySpace max="32767" attributes="0"/>
                            <Group type="103" groupAlignment="0" max="-
2" attributes="0">
                                <Component id="txtNomprov" pref="131"
max="32767" attributes="0"/>
                                <Component id="txtMailprov"
alignment="0" max="32767" attributes="0"/>
                                <Component id="txtFonoprov"
alignment="0" max="32767" attributes="0"/>
                            </Group>
                        </Group>
                        <Group type="102" attributes="0">
                            <EmptySpace min="-2" pref="34" max="-2"
attributes="0"/>
                            <Component id="jButton5" min="-2" max="-2"
attributes="0"/>
                            <EmptySpace pref="93" max="32767"
attributes="0"/>
                            <Component id="jButton4" min="-2" max="-2"
attributes="0"/>
                        </Group>
                    </Group>
                    <EmptySpace min="-2" pref="48" max="-2"
attributes="0"/>
                </Group>
            </Group>
        </Group>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <EmptySpace max="-2" attributes="0"/>
              <Component id="jLabel4" min="-2" pref="0" max="-2"
attributes="0"/>
              <EmptySpace min="-2" pref="39" max="-2" attributes="0"/>
              <Group type="103" groupAlignment="1" attributes="0">
                  <Group type="102" alignment="1" attributes="0">
```

```
                    <Group type="103" groupAlignment="1"
attributes="0">
                        <Component id="txtNomprov" min="-2" max="-2"
attributes="0"/>
                        <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                    </Group>
                    <EmptySpace min="-2" pref="37" max="-2"
attributes="0"/>
                    <Component id="txtMailprov" min="-2" max="-2"
attributes="0"/>
                </Group>
                <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="41" max="-2" attributes="0"/>
            <Group type="103" groupAlignment="1" attributes="0">
                <Component id="txtFonoprov" min="-2" max="-2"
attributes="0"/>
                <Component id="jLabel3" min="-2" max="-2"
attributes="0"/>
            </Group>
            <EmptySpace pref="90" max="32767" attributes="0"/>
            <Group type="103" groupAlignment="3" attributes="0">
                <Component id="jButton4" alignment="3" min="-2" max="-
2" attributes="0"/>
                <Component id="jButton5" alignment="3" min="-2" max="-
2" attributes="0"/>
            </Group>
            <EmptySpace min="-2" pref="58" max="-2" attributes="0"/>
        </Group>
    </Group>
  </DimensionLayout>
 </Layout>
 <SubComponents>
  <Component class="javax.swing.JTextField" name="txtNomprov">
  </Component>
  <Component class="javax.swing.JTextField" name="txtMailprov">
  </Component>
  <Component class="javax.swing.JTextField" name="txtFonoprov">
    <Events>
      <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="txtFonoprovActionPerformed"/>
      <EventHandler event="keyTyped"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="txtFonoprovKeyTyped"/>
    </Events>
```

```
    </Component>
    <Component class="javax.swing.JLabel" name="jLabel1">
      <Properties>
        <Property name="text" type="java.lang.String" value="Nombre de
Proveedor:"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JLabel" name="jLabel2">
      <Properties>
        <Property name="text" type="java.lang.String" value="Mail
Proveedor"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JLabel" name="jLabel3">
      <Properties>
        <Property name="text" type="java.lang.String" value="Telefono"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JButton" name="jButton4">
      <Properties>
        <Property name="text" type="java.lang.String" value="Aceptar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton4ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JButton" name="jButton5">
      <Properties>
        <Property name="text" type="java.lang.String" value="Cancelar"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton5ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JLabel" name="jLabel4">
    </Component>
  </SubComponents>
</Form>
```

frmAddProv.java

```
package frames.mantenedores;

import Querys.qProveedor;
import classes.Proveedor;
import classes.conexion;
import javax.swing.JOptionPane;
/**
 *
 * @author pancho
 */
public class frmAddProv extends javax.swing.JFrame {

    /**
     * Creates new form frmMesero
     */
    public frmAddProv() {
        this.setLocationRelativeTo(null);
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize
the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        txtNomprov = new javax.swing.JTextField();
        txtMailprov = new javax.swing.JTextField();
        txtFonoprov = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jButton4 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        txtFonoprov.addActionListener(new java.awt.event.ActionListener()
{
```

```
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtFonoprovActionPerformed(evt);
            }
        });
        txtFonoprov.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtFonoprovKeyTyped(evt);
            }
        });

        jLabel1.setText("Nombre de Proveedor:");

        jLabel2.setText("Mail Proveedor");

        jLabel3.setText("Telefono");

        jButton4.setText("Aceptar");
        jButton4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });

        jButton5.setText("Cancelar");
        jButton5.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton5ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(40, 40, 40)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 0,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_
SIZE, Short.MAX_VALUE))
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.LEADING)
```

```
                            .addGroup(layout.createSequentialGroup()
                                .addGroup(layout.createParallelGroup(java
x.swing.GroupLayout.Alignment.TRAILING)
                                    .addComponent(jLabel1)
                                    .addComponent(jLabel2)
                                    .addComponent(jLabel3))
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                .addGroup(layout.createParallelGroup(java
x.swing.GroupLayout.Alignment.LEADING, false)
                                    .addComponent(txtNomprov,
javax.swing.GroupLayout.DEFAULT_SIZE, 131, Short.MAX_VALUE)
                                    .addComponent(txtMailprov)
                                    .addComponent(txtFonoprov)))
                            .addGroup(layout.createSequentialGroup()
                                .addGap(34, 34, 34)
                                .addComponent(jButton5)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED, 93, Short.MAX_VALUE)
                                .addComponent(jButton4)))
                        .addGap(48, 48, 48))))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 0,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(39, 39, 39)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.TRAILING)
                            .addComponent(txtNomprov,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel1))
                        .addGap(37, 37, 37)
                        .addComponent(txtMailprov,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addComponent(jLabel2))
                .addGap(41, 41, 41)
```

```
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.TRAILING)
                    .addComponent(txtFonoprov,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel3))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 90, Short.MAX_VALUE)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.BASELINE)
                    .addComponent(jButton4)
                    .addComponent(jButton5))
                .addGap(58, 58, 58))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton4ActionPerformed
        qProveedor qpp = new qProveedor();
        if (txtNomprov.getText().equals("")){
            JOptionPane.showMessageDialog(null, "Ingrese Nombre");

        }else{
            if (txtMailprov.getText().equals("")){
            JOptionPane.showMessageDialog(null, "Ingrese Correo");
            }else{
                if (txtFonoprov.getText().equals("")){
                    JOptionPane.showMessageDialog(null, "Ingrese
Telefono");
                }else{
                      if (qpp.isEmail(txtMailprov.getText().toString())){
             qProveedor qp = new qProveedor();
             // Rescatar datos desde formulario.
             String nombre, correo,telefono;
             nombre = txtNomprov.getText();
             correo = txtMailprov.getText();
             telefono = txtFonoprov.getText();
             // Crea instancia producto.
             Proveedor prov = new Proveedor(nombre,correo,telefono);
             qp.agregarProveedor(prov);
             frmProveedor vm = new frmProveedor();
             vm.setVisible(true);
             this.dispose();
            }else{
                JOptionPane.showMessageDialog(null, "El correo no es
Valido");
```

```
            }
                }
        }
        }
    }//GEN-LAST:event_jButton4ActionPerformed

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton5ActionPerformed
        frmProveedor vM = new frmProveedor();
        vM.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_jButton5ActionPerformed

    private void txtFonoprovActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_txtFonoprovActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_txtFonoprovActionPerformed

    private void txtFonoprovKeyTyped(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_txtFonoprovKeyTyped
        char car = evt.getKeyChar();
        if( txtFonoprov.getText().length()>=9 ) evt.consume();
        if(( car<'0' || car>'9' )) evt.consume();
    }//GEN-LAST:event_txtFonoprovKeyTyped

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmAddProv.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
```

```
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmAddProv.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmAddProv.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmAddProv.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmAddProv().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JTextField txtFonoprov;
    private javax.swing.JTextField txtMailprov;
    private javax.swing.JTextField txtNomprov;
    // End of variables declaration//GEN-END:variables
}
```

frmInsumo.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
    <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
      <Color blue="ff" green="ff" red="ff" type="rgb"/>
    </Property>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" attributes="0">
              <EmptySpace max="-2" attributes="0"/>
              <Group type="103" groupAlignment="0" attributes="0">
                  <Component id="jPanel2" alignment="1" max="32767"
attributes="0"/>
                  <Component id="jPanel1" alignment="1" max="32767"
attributes="0"/>
```

```
                <Group type="102" alignment="1" attributes="0">
                    <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                    <Group type="103" groupAlignment="0"
attributes="0">
                        <Component id="jButton4" alignment="1" min="-2"
pref="111" max="-2" attributes="0"/>
                        <Group type="102" alignment="1" attributes="0">
                            <Component id="jButton1" min="-2"
pref="111" max="-2" attributes="0"/>
                            <EmptySpace type="separate" max="-2"
attributes="0"/>
                            <Component id="jButton3" min="-2"
pref="111" max="-2" attributes="0"/>
                        </Group>
                    </Group>
                </Group>
            </Group>
            <EmptySpace max="-2" attributes="0"/>
        </Group>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <EmptySpace min="-2" max="-2" attributes="0"/>
              <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
              <EmptySpace type="unrelated" max="-2" attributes="0"/>
              <Component id="jPanel2" min="-2" max="-2" attributes="0"/>
              <EmptySpace type="separate" max="-2" attributes="0"/>
              <Group type="103" groupAlignment="3" attributes="0">
                  <Component id="jButton1" alignment="3" min="-2"
pref="36" max="-2" attributes="0"/>
                  <Component id="jButton3" alignment="3" min="-2"
pref="36" max="-2" attributes="0"/>
              </Group>
              <EmptySpace pref="32" max="32767" attributes="0"/>
              <Component id="jButton4" min="-2" pref="36" max="-2"
attributes="0"/>
              <EmptySpace max="-2" attributes="0"/>
          </Group>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Container class="javax.swing.JPanel" name="jPanel1">

      <Layout>
        <DimensionLayout dim="0">
```

```
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="32" max="-2"
attributes="0"/>
                  <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace type="separate" max="-2" attributes="0"/>
                  <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace min="-2" pref="28" max="-2"
attributes="0"/>
                  <Component id="cmbInsumo" min="-2" pref="84" max="-2"
attributes="0"/>
                  <EmptySpace min="-2" pref="107" max="-2"
attributes="0"/>
                  <Component id="jLabel3" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace type="unrelated" max="-2" attributes="0"/>
                  <Component id="InsumoTxt" min="-2" pref="90" max="-2"
attributes="0"/>
                  <EmptySpace pref="29" max="32767" attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="18" max="-2"
attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Component id="jLabel1" alignment="1" min="-2"
pref="20" max="-2" attributes="0"/>
                      <Group type="103" groupAlignment="3"
attributes="0">
                          <Component id="cmbInsumo" alignment="3" min="-
2" max="-2" attributes="0"/>
                          <Component id="jLabel2" alignment="3" min="-2"
max="-2" attributes="0"/>
                          <Component id="jLabel3" alignment="3" min="-2"
max="-2" attributes="0"/>
                          <Component id="InsumoTxt" alignment="3" min="-
2" max="-2" attributes="0"/>
                      </Group>
                  </Group>
                  <EmptySpace pref="21" max="32767" attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
      </Layout>
```

```
      <SubComponents>
        <Component class="javax.swing.JLabel" name="jLabel1">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/lupa.png"/>
            </Property>
          </Properties>
        </Component>
        <Component class="javax.swing.JComboBox" name="cmbInsumo">
          <Properties>
            <Property name="model" type="javax.swing.ComboBoxModel"
editor="org.netbeans.modules.form.editors2.ComboBoxModelEditor">
              <StringArray count="4">
                <StringItem index="0" value="Item 1"/>
                <StringItem index="1" value="Item 2"/>
                <StringItem index="2" value="Item 3"/>
                <StringItem index="3" value="Item 4"/>
              </StringArray>
            </Property>
          </Properties>
          <AuxValues>
            <AuxValue name="JavaCodeGenerator_TypeParameters"
type="java.lang.String" value="&lt;String&gt;"/>
          </AuxValues>
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel2">
          <Properties>
            <Property name="text" type="java.lang.String" value="Buscar
por:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel3">
          <Properties>
            <Property name="text" type="java.lang.String" value="Ingrese
texto a buscar:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JTextField" name="InsumoTxt">
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="InsumoTxtActionPerformed"/>
            <EventHandler event="keyReleased"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="InsumoTxtKeyReleased"/>
          </Events>
        </Component>
```

```
      </SubComponents>
    </Container>
    <Container class="javax.swing.JPanel" name="jPanel2">

      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Component id="jScrollPane1" alignment="0" max="32767"
attributes="0"/>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Component id="jScrollPane1" min="-2" pref="289" max="-2"
attributes="0"/>
          </Group>
        </DimensionLayout>
      </Layout>
      <SubComponents>
        <Container class="javax.swing.JScrollPane" name="jScrollPane1">
          <AuxValues>
            <AuxValue name="autoScrollPane" type="java.lang.Boolean"
value="true"/>
          </AuxValues>

          <Layout
class="org.netbeans.modules.form.compat2.layouts.support.JScrollPaneSuppo
rtLayout"/>
          <SubComponents>
            <Component class="javax.swing.JTable" name="InsumoTabla">
              <Properties>
                <Property name="model"
type="javax.swing.table.TableModel"
editor="org.netbeans.modules.form.editors2.TableModelEditor">
                  <Table columnCount="4" rowCount="4">
                    <Column editable="true" title="Title 1"
type="java.lang.Object"/>
                    <Column editable="true" title="Title 2"
type="java.lang.Object"/>
                    <Column editable="true" title="Title 3"
type="java.lang.Object"/>
                    <Column editable="true" title="Title 4"
type="java.lang.Object"/>
                  </Table>
                </Property>
              </Properties>
            </Component>
          </SubComponents>
        </Container>
```

```
      </SubComponents>
    </Container>
    <Component class="javax.swing.JButton" name="jButton1">
      <Properties>
        <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
          <Image iconType="3" name="/img/btn/mntndrs/btn_add.png"/>
        </Property>
        <Property name="text" type="java.lang.String" value="jButton1"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton1ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JButton" name="jButton3">
      <Properties>
        <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
          <Image iconType="3" name="/img/btn/mntndrs/btn_el.png"/>
        </Property>
        <Property name="text" type="java.lang.String" value="jButton3"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton3ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JButton" name="jButton4">
      <Properties>
        <Property name="text" type="java.lang.String" value="Volver"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton4ActionPerformed"/>
      </Events>
    </Component>
  </SubComponents>
</Form>
```

frmInsumo.form

```
package frames.mantenedores;

import Querys.qInsumo;
import Querys.qProveedor;
import classes.insumo;
import frames.frmAdmin;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author pancho
 */
public class frmInsumo extends javax.swing.JFrame {

    qInsumo qin = new qInsumo();

    public frmInsumo() {
        initComponents();
        this.setLocationRelativeTo(null);
        InsumoTabla.setModel(qin.cargardatos());
        cmbInsumo.setModel(cargarCmbInsumo());
    }

    public DefaultComboBoxModel cargarCmbInsumo(){
        DefaultComboBoxModel modelo = new DefaultComboBoxModel();
        modelo.addElement("Codigo");
        modelo.addElement("Nombre");
        modelo.addElement("Stock");
        modelo.addElement("Unidad medida");
        return modelo;
    }

    /**
     * This method is called from within the constructor to initialize
the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
```

```
        jLabel1 = new javax.swing.JLabel();
        cmbInsumo = new javax.swing.JComboBox<>();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        InsumoTxt = new javax.swing.JTextField();
        jPanel2 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        InsumoTabla = new javax.swing.JTable();
        jButton1 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);
        setBackground(new java.awt.Color(255, 255, 255));

        jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/lupa.png"))); //
NOI18N

        cmbInsumo.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Item 1", "Item 2", "Item 3", "Item 4" }));

        jLabel2.setText("Buscar por:");

        jLabel3.setText("Ingrese texto a buscar:");

        InsumoTxt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                InsumoTxtActionPerformed(evt);
            }
        });
        InsumoTxt.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                InsumoTxtKeyReleased(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(32, 32, 32)
                .addComponent(jLabel1)
                .addGap(18, 18, 18)
                .addComponent(jLabel2)
```

```
                .addGap(28, 28, 28)
                .addComponent(cmbInsumo,
javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(107, 107, 107)
                .addComponent(jLabel3)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.UNRELATED)
                .addComponent(InsumoTxt,
javax.swing.GroupLayout.PREFERRED_SIZE, 90,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(29, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.BASELINE)
                        .addComponent(cmbInsumo,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel2)
                        .addComponent(jLabel3)
                        .addComponent(InsumoTxt,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(21, Short.MAX_VALUE))
        );

        InsumoTabla.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
```

```
        ));
        jScrollPane1.setViewportView(InsumoTabla);

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addComponent(jScrollPane1)
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 289,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );

        jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_add.pn
g"))); // NOI18N
        jButton1.setText("jButton1");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_el.png
"))); // NOI18N
        jButton3.setText("jButton3");
        jButton3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });

        jButton4.setText("Volver");
        jButton4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
```

```
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.LEADING)
                    .addComponent(jPanel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.LEADING)
                            .addComponent(jButton4,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(javax.swing.GroupLayout.Alignment.T
RAILING, layout.createSequentialGroup()
                                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(18, 18, 18)
                                .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.UNRELATED)
                .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.BASELINE)
                    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 32, Short.MAX_VALUE)
                .addComponent(jButton4,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void InsumoTxtActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_InsumoTxtActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_InsumoTxtActionPerformed

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed

        AddInsumo vAdd = new AddInsumo();
        vAdd.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_jButton1ActionPerformed

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton3ActionPerformed
            DefaultTableModel modelo = (DefaultTableModel)
InsumoTabla.getModel();
        int resp = JOptionPane.showConfirmDialog(null, "¿Desea eliminar
item seleccionado?", "Eliminar", JOptionPane.YES_NO_OPTION,
JOptionPane.ERROR_MESSAGE);
        if (resp != 1) {

            qInsumo qpp = new qInsumo();
            int fila = InsumoTabla.getSelectedRow();
            int col = InsumoTabla.getSelectedColumn();
            String cod;
            cod = (String) InsumoTabla.getValueAt(fila, 0);
```

```
            int coda = Integer.parseInt(cod);
            qpp.eliminarInsumo(coda);
            modelo.removeRow(InsumoTabla.getSelectedRow());

        }
    }//GEN-LAST:event_jButton3ActionPerformed

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton4ActionPerformed
        frmAdmin vAdm = new frmAdmin();
        vAdm.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_jButton4ActionPerformed

    private void InsumoTxtKeyReleased(java.awt.event.KeyEvent evt)
{//GEN-FIRST:event_InsumoTxtKeyReleased
        String buscar = (String) cmbInsumo.getSelectedItem();
        qInsumo qi = new qInsumo();
        InsumoTabla.setModel(qi.buscarDatos(InsumoTxt.getText(), buscar));
    }//GEN-LAST:event_InsumoTxtKeyReleased

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
```

```
            java.util.logging.Logger.getLogger(frmInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmInsumo.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmInsumo().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JTable InsumoTabla;
    private javax.swing.JTextField InsumoTxt;
    private javax.swing.JComboBox<String> cmbInsumo;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    // End of variables declaration//GEN-END:variables
}
```

frmMenu.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.5" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <NonVisualComponents>
    <Menu class="javax.swing.JMenuBar" name="jMenuBar1">
      <SubComponents>
        <Menu class="javax.swing.JMenu" name="jMenu1">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Sesi&#xf3;n"/>
          </Properties>
        </Menu>
        <Menu class="javax.swing.JMenu" name="jMenu2">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Mantenedores"/>
          </Properties>
          <SubComponents>
            <MenuItem class="javax.swing.JMenuItem" name="jMenu">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Menu"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="jMenuActionPerformed"/>
              </Events>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem2">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Proveedores"/>
              </Properties>
            </MenuItem>
          </SubComponents>
        </Menu>
      </SubComponents>
    </Menu>
  </NonVisualComponents>
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="menuBar" type="java.lang.String"
value="jMenuBar1"/>
```

```
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" alignment="0" max="32767"
attributes="0"/>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
              <EmptySpace min="0" pref="0" max="32767" attributes="0"/>
          </Group>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Container class="javax.swing.JPanel" name="jPanel1">
      <Properties>
        <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
          <Color blue="ff" green="ff" red="ff" type="rgb"/>
        </Property>
      </Properties>
```

```
      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" attributes="0">
                  <EmptySpace max="-2" attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Component id="jScrollPane1" alignment="0"
pref="840" max="32767" attributes="0"/>
                      <Group type="102" alignment="1" attributes="0">
                          <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Component id="btn_volver" alignment="1"
min="-2" pref="111" max="-2" attributes="0"/>
                              <Group type="102" alignment="1"
attributes="0">
                                  <Component id="btn_add" min="-2"
pref="111" max="-2" attributes="0"/>
                                  <EmptySpace max="-2" attributes="0"/>
                                  <Component id="btn_Modificar" min="-2"
pref="111" max="-2" attributes="0"/>
                                  <EmptySpace max="-2" attributes="0"/>
                                  <Component id="btn_el" min="-2"
pref="111" max="-2" attributes="0"/>
                              </Group>
                          </Group>
                      </Group>
                      <Group type="102" attributes="0">
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Component id="jPanel2" min="-2" max="-2"
attributes="0"/>
                              <Component id="jLabel3" min="-2" pref="139"
max="-2" attributes="0"/>
                          </Group>
                          <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                      </Group>
                  </Group>
                  <EmptySpace max="-2" attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
```

```
                    <EmptySpace min="-2" pref="25" max="-2"
attributes="0"/>
                    <Component id="jLabel3" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace max="-2" attributes="0"/>
                    <Component id="jPanel2" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace type="separate" max="-2" attributes="0"/>
                    <Component id="jScrollPane1" min="-2" pref="381" max="-
2" attributes="0"/>
                    <EmptySpace pref="34" max="32767" attributes="0"/>
                    <Group type="103" groupAlignment="0" attributes="0">
                        <Component id="btn_add" min="-2" pref="36" max="-2"
attributes="0"/>
                        <Component id="btn_Modificar" min="-2" pref="36"
max="-2" attributes="0"/>
                        <Component id="btn_el" alignment="0" min="-2"
pref="36" max="-2" attributes="0"/>
                    </Group>
                    <EmptySpace min="-2" pref="40" max="-2"
attributes="0"/>
                    <Component id="btn_volver" min="-2" pref="36" max="-2"
attributes="0"/>
                    <EmptySpace min="-2" pref="26" max="-2"
attributes="0"/>
                </Group>
            </Group>
        </DimensionLayout>
      </Layout>
      <SubComponents>
        <Container class="javax.swing.JScrollPane" name="jScrollPane1">
          <AuxValues>
            <AuxValue name="autoScrollPane" type="java.lang.Boolean"
value="true"/>
          </AuxValues>

          <Layout
class="org.netbeans.modules.form.compat2.layouts.support.JScrollPaneSuppo
rtLayout"/>
          <SubComponents>
            <Component class="javax.swing.JTable" name="menuTabla">
              <Properties>
                <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
                  <Font name="Tahoma" size="14" style="0"/>
                </Property>
                <Property name="model"
type="javax.swing.table.TableModel"
editor="org.netbeans.modules.form.editors2.TableModelEditor">
```

```
                <Table columnCount="0" rowCount="0"/>
              </Property>
              <Property name="columnModel"
type="javax.swing.table.TableColumnModel"
editor="org.netbeans.modules.form.editors2.TableColumnModelEditor">
                <TableColumnModel selectionModel="0"/>
              </Property>
              <Property name="gridColor" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
                <Color blue="ff" green="ff" red="ff" type="rgb"/>
              </Property>
              <Property name="tableHeader"
type="javax.swing.table.JTableHeader"
editor="org.netbeans.modules.form.editors2.JTableHeaderEditor">
                <TableHeader reorderingAllowed="true"
resizingAllowed="true"/>
              </Property>
            </Properties>
          </Component>
        </SubComponents>
      </Container>
      <Component class="javax.swing.JButton" name="btn_add">
        <Properties>
          <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
            <Image iconType="3" name="/img/btn/mntndrs/btn_add.png"/>
          </Property>
        </Properties>
        <Events>
          <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btn_addActionPerformed"/>
        </Events>
      </Component>
      <Component class="javax.swing.JButton" name="btn_el">
        <Properties>
          <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
            <Image iconType="3" name="/img/btn/mntndrs/btn_el.png"/>
          </Property>
        </Properties>
        <Events>
          <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="btn_elActionPerformed"/>
        </Events>
      </Component>
      <Component class="javax.swing.JButton" name="btn_volver">
```

```
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="0"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Volver"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btn_volverActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btn_Modificar">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="13" style="0"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Modificar"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btn_ModificarActionPerformed"/>
          </Events>
        </Component>
        <Container class="javax.swing.JPanel" name="jPanel2">
          <Properties>
            <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="border" type="javax.swing.border.Border"
editor="org.netbeans.modules.form.editors2.BorderEditor">
              <Border
info="org.netbeans.modules.form.compat2.border.EtchedBorderInfo">
                <EtchetBorder/>
              </Border>
            </Property>
          </Properties>

          <Layout>
            <DimensionLayout dim="0">
              <Group type="103" groupAlignment="0" attributes="0">
```

```
                <Group type="102" alignment="1" attributes="0">
                    <EmptySpace max="-2" attributes="0"/>
                    <Component id="jLabel4" min="-2" pref="30" max="-2"
attributes="0"/>
                    <EmptySpace type="separate" max="32767"
attributes="0"/>
                    <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                    <Component id="cmbBus" min="-2" pref="189" max="-2"
attributes="0"/>
                    <EmptySpace type="separate" max="-2"
attributes="0"/>
                    <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace type="separate" max="-2"
attributes="0"/>
                    <Component id="txtBus" min="-2" pref="246" max="-2"
attributes="0"/>
                    <EmptySpace min="-2" pref="27" max="-2"
attributes="0"/>
                </Group>
              </Group>
            </DimensionLayout>
            <DimensionLayout dim="1">
              <Group type="103" groupAlignment="0" attributes="0">
                <Group type="102" alignment="1" attributes="0">
                    <EmptySpace max="32767" attributes="0"/>
                    <Group type="103" groupAlignment="0"
attributes="0">
                        <Component id="jLabel4" alignment="0" pref="0"
max="32767" attributes="0"/>
                        <Group type="103" groupAlignment="3"
attributes="0">
                            <Component id="jLabel2" alignment="3"
min="-2" max="-2" attributes="0"/>
                            <Component id="jLabel1" alignment="3"
min="-2" pref="14" max="-2" attributes="0"/>
                            <Component id="cmbBus" alignment="3" min="-
2" max="-2" attributes="0"/>
                        </Group>
                        <Component id="txtBus" min="-2" max="-2"
attributes="0"/>
                    </Group>
                    <EmptySpace max="-2" attributes="0"/>
                </Group>
              </Group>
            </DimensionLayout>
```

```
          </Layout>
          <SubComponents>
            <Component class="javax.swing.JTextField" name="txtBus">
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="txtBusActionPerformed"/>
                <EventHandler event="keyReleased"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="txtBusKeyReleased"/>
              </Events>
            </Component>
            <Component class="javax.swing.JLabel" name="jLabel2">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Ingresar texto a buscar:"/>
              </Properties>
            </Component>
            <Component class="javax.swing.JLabel" name="jLabel1">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Buscar por:"/>
              </Properties>
            </Component>
            <Component class="javax.swing.JComboBox" name="cmbBus">
              <Properties>
                <Property name="model" type="javax.swing.ComboBoxModel"
editor="org.netbeans.modules.form.editors2.ComboBoxModelEditor">
                  <StringArray count="4">
                    <StringItem index="0" value="Item 1"/>
                    <StringItem index="1" value="Item 2"/>
                    <StringItem index="2" value="Item 3"/>
                    <StringItem index="3" value="Item 4"/>
                  </StringArray>
                </Property>
              </Properties>
              <AuxValues>
                <AuxValue name="JavaCodeGenerator_TypeParameters"
type="java.lang.String" value="&lt;String&gt;"/>
              </AuxValues>
            </Component>
            <Component class="javax.swing.JLabel" name="jLabel4">
              <Properties>
                <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
                  <Image iconType="3" name="/img/lupa.png"/>
                </Property>
              </Properties>
            </Component>
```

```
          </SubComponents>
        </Container>
        <Component class="javax.swing.JLabel" name="jLabel3">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Busqueda:"/>
          </Properties>
        </Component>
      </SubComponents>
    </Container>
  </SubComponents>
</Form>
```

frmMenu.java

```
package frames.mantenedores;

import frames.mantenedores.menu.frmModificar;
import frames.mantenedores.menu.frmAdd;
import javax.swing.table.DefaultTableModel;
import java.sql.*;
import java.util.logging.*;
import Querys.qProducto;
import classes.producto;
import frames.frmAdmin;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;

/**
 *
 * @author Diego Torres
 */
public class frmMenu extends javax.swing.JFrame {

    qProducto qp = new qProducto();

    public frmMenu() {
        initComponents();
        this.setLocationRelativeTo(null);
        menuTabla.setModel(qp.cargardatos());
        cmbBus.setModel(cargarCmbBus());

    }

    public DefaultComboBoxModel cargarCmbBus(){
        DefaultComboBoxModel modelo = new DefaultComboBoxModel();
        modelo.addElement("Código");
        modelo.addElement("Nombre");
        modelo.addElement("Precio");
        modelo.addElement("Descripción");
        modelo.addElement("Categoria");
        return modelo;
    }



    /**
     * This method is called from within the constructor to initialize
the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
```

```
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        menuTabla = new javax.swing.JTable();
        btn_add = new javax.swing.JButton();
        btn_el = new javax.swing.JButton();
        btn_volver = new javax.swing.JButton();
        btn_Modificar = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        txtBus = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        cmbBus = new javax.swing.JComboBox<>();
        jLabel4 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jMenuBar1 = new javax.swing.JMenuBar();
        jMenu1 = new javax.swing.JMenu();
        jMenu2 = new javax.swing.JMenu();
        jMenu = new javax.swing.JMenuItem();
        jMenuItem2 = new javax.swing.JMenuItem();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));

        menuTabla.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        menuTabla.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {

            }
        ));
        menuTabla.setGridColor(new java.awt.Color(255, 255, 255));
        jScrollPane1.setViewportView(menuTabla);

        btn_add.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_add.pn
g"))); // NOI18N
        btn_add.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_addActionPerformed(evt);
```

```
            }
        });

        btn_el.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_el.png
"))); // NOI18N
        btn_el.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_elActionPerformed(evt);
            }
        });

        btn_volver.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        btn_volver.setText("Volver");
        btn_volver.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_volverActionPerformed(evt);
            }
        });

        btn_Modificar.setFont(new java.awt.Font("Tahoma", 0, 13)); //
NOI18N
        btn_Modificar.setText("Modificar");
        btn_Modificar.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_ModificarActionPerformed(evt);
            }
        });

        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder())
;

        txtBus.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtBusActionPerformed(evt);
            }
        });
        txtBus.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtBusKeyReleased(evt);
            }
        });

        jLabel2.setText("Ingresar texto a buscar:");

        jLabel1.setText("Buscar por:");
```

```
        cmbBus.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Item 1", "Item 2", "Item 3", "Item 4" }));

        jLabel4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/lupa.png"))); //
NOI18N

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, Short.MAX_VALUE)
                .addComponent(jLabel1)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.UNRELATED)
                .addComponent(cmbBus,
javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel2)
                .addGap(18, 18, 18)
                .addComponent(txtBus,
javax.swing.GroupLayout.PREFERRED_SIZE, 246,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(27, 27, 27))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel2)
```

```
                        .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 14,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(cmbBus,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addComponent(txtBus,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap())
        );

        jLabel3.setText("Busqueda:");

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 840, Short.MAX_VALUE)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(btn_volver,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(javax.swing.GroupLayout.Alignment.T
RAILING, jPanel1Layout.createSequentialGroup()
                                .addComponent(btn_add,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED)
                                .addComponent(btn_Modificar,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED)
```

```
                                .addComponent(btn_el,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 139,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGap(0, 0, Short.MAX_VALUE)))
                .addContainerGap())
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(25, 25, 25)
                .addComponent(jLabel3)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED)
                .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 381,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 34, Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(btn_add,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(btn_Modificar,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(btn_el,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(40, 40, 40)
                .addComponent(btn_volver,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                .addGap(26, 26, 26))
        );

        jMenu1.setText("Sesión");
        jMenuBar1.add(jMenu1);

        jMenu2.setText("Mantenedores");

        jMenu.setText("Menu");
        jMenu.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuActionPerformed(evt);
            }
        });
        jMenu2.add(jMenu);

        jMenuItem2.setText("Proveedores");
        jMenu2.add(jMenuItem2);

        jMenuBar1.add(jMenu2);

        setJMenuBar(jMenuBar1);

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jMenuActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuActionPerformed
        // TODO add your handling code here:
```

```
    }//GEN-LAST:event_jMenuActionPerformed

    private void btn_volverActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btn_volverActionPerformed
        frmAdmin vAdm = new frmAdmin();
        vAdm.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_btn_volverActionPerformed

    private void btn_addActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btn_addActionPerformed
        frmAdd vAdd = new frmAdd();
        vAdd.setVisible(true);
        this.dispose();

    }//GEN-LAST:event_btn_addActionPerformed

    private void btn_elActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btn_elActionPerformed

        DefaultTableModel modelo = (DefaultTableModel)
menuTabla.getModel();
        int resp = JOptionPane.showConfirmDialog(null, "¿Desea eliminar
item seleccionado?", "Eliminar", JOptionPane.YES_NO_OPTION,
JOptionPane.ERROR_MESSAGE);
        if (resp != 1) {

            qProducto qpp = new qProducto();
            int fila = menuTabla.getSelectedRow();
            int col = menuTabla.getSelectedColumn();
            String cod;
            cod = (String) menuTabla.getValueAt(fila, 0);
            int coda = Integer.parseInt(cod);
            qpp.eliminarProducto(coda);
            modelo.removeRow(menuTabla.getSelectedRow());

    }//GEN-LAST:event_btn_elActionPerformed
    }
    private void btn_ModificarActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btn_ModificarActionPerformed


        if (menuTabla.getSelectedRow() == -1)  {
            JOptionPane.showMessageDialog(null, "Seleccione un elemento
de la lista.");
        }
        else{
        producto prod = new producto();
        int fila = menuTabla.getSelectedRow();
```

```
        String cod;
        cod = (String) menuTabla.getValueAt(fila, 0);
        int coda = Integer.parseInt(cod);
        String nombre = (String) menuTabla.getValueAt(fila, 1);
        String descripcion = (String) menuTabla.getValueAt(fila,3);
        String precio = (String) menuTabla.getValueAt(fila, 2);
        int precioa = Integer.parseInt(precio);
        prod.setCod_producto(coda);
        prod.setNom_producto(nombre);
        prod.setDescripcion(descripcion);
        prod.setPrecio(precioa);
        frmModificar vM = new frmModificar(prod);

        vM.setVisible(true);
        this.dispose();




        }
    }//GEN-LAST:event_btn_ModificarActionPerformed

    private void txtBusKeyReleased(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_txtBusKeyReleased
       String buscar = (String) cmbBus.getSelectedItem();
       qProducto qu = new qProducto();
       menuTabla.setModel(qu.buscarDatos(txtBus.getText(), buscar));
    }//GEN-LAST:event_txtBusKeyReleased

    private void txtBusActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_txtBusActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_txtBusActionPerformed

    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
```

```
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmMenu.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmMenu.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmMenu.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmMenu.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmMenu().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton btn_Modificar;
    private javax.swing.JButton btn_add;
    private javax.swing.JButton btn_el;
    private javax.swing.JButton btn_volver;
    private javax.swing.JComboBox<String> cmbBus;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JMenuItem jMenu;
    private javax.swing.JMenu jMenu1;
    private javax.swing.JMenu jMenu2;
    private javax.swing.JMenuBar jMenuBar1;
    private javax.swing.JMenuItem jMenuItem2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable menuTabla;
    private javax.swing.JTextField txtBus;
    // End of variables declaration//GEN-END:variables
```

```
    private qProducto qProducto() {
        throw new UnsupportedOperationException("Not supported yet.");
//To change body of generated methods, choose Tools | Templates.
    }
}
```

frmMesa.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.5" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>
  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" attributes="0">
              <EmptySpace max="-2" attributes="0"/>
              <Group type="103" groupAlignment="0" attributes="0">
                  <Component id="jPanel2" max="32767" attributes="0"/>
                  <Component id="jPanel1" max="32767" attributes="0"/>
                  <Group type="102" alignment="1" attributes="0">
                      <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                      <Group type="103" groupAlignment="0"
attributes="0">
                          <Component id="jButton4" alignment="1" min="-2"
pref="111" max="-2" attributes="0"/>
```

```
                        <Group type="102" alignment="1" attributes="0">
                            <Component id="jButton1" min="-2"
pref="111" max="-2" attributes="0"/>
                            <EmptySpace min="-2" pref="45" max="-2"
attributes="0"/>
                            <Component id="jButton3" min="-2"
pref="111" max="-2" attributes="0"/>
                        </Group>
                    </Group>
                </Group>
            </Group>
            <EmptySpace max="-2" attributes="0"/>
        </Group>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <EmptySpace max="-2" attributes="0"/>
              <Component id="jPanel2" min="-2" max="-2" attributes="0"/>
              <EmptySpace min="-2" pref="27" max="-2" attributes="0"/>
              <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
              <EmptySpace type="separate" max="-2" attributes="0"/>
              <Group type="103" groupAlignment="3" attributes="0">
                  <Component id="jButton1" alignment="3" min="-2"
pref="36" max="-2" attributes="0"/>
                  <Component id="jButton3" alignment="3" min="-2"
pref="36" max="-2" attributes="0"/>
              </Group>
              <EmptySpace pref="43" max="32767" attributes="0"/>
              <Component id="jButton4" min="-2" pref="36" max="-2"
attributes="0"/>
          </Group>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Container class="javax.swing.JPanel" name="jPanel1">
      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <EmptySpace min="0" pref="0" max="32767" attributes="0"/>
              <Group type="103" rootIndex="1" groupAlignment="0"
attributes="0">
                  <Component id="jScrollPane1" alignment="0" pref="634"
max="32767" attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
```

```
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <EmptySpace min="0" pref="402" max="32767" attributes="0"/>
              <Group type="103" rootIndex="1" groupAlignment="0"
attributes="0">
                  <Group type="102" alignment="0" attributes="0">
                      <Component id="jScrollPane1" min="-2" max="-2"
attributes="0"/>
                      <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                  </Group>
              </Group>
          </Group>
        </DimensionLayout>
      </Layout>
      <SubComponents>
        <Container class="javax.swing.JScrollPane" name="jScrollPane1">
          <AuxValues>
            <AuxValue name="autoScrollPane" type="java.lang.Boolean"
value="true"/>
          </AuxValues>

          <Layout
class="org.netbeans.modules.form.compat2.layouts.support.JScrollPaneSuppo
rtLayout"/>
          <SubComponents>
            <Component class="javax.swing.JTable" name="MesaTabla">
              <Properties>
                <Property name="model"
type="javax.swing.table.TableModel"
editor="org.netbeans.modules.form.editors2.TableModelEditor">
                  <Table columnCount="0" rowCount="0"/>
                </Property>
                <Property name="columnModel"
type="javax.swing.table.TableColumnModel"
editor="org.netbeans.modules.form.editors2.TableColumnModelEditor">
                  <TableColumnModel selectionModel="0"/>
                </Property>
                <Property name="tableHeader"
type="javax.swing.table.JTableHeader"
editor="org.netbeans.modules.form.editors2.JTableHeaderEditor">
                  <TableHeader reorderingAllowed="true"
resizingAllowed="true"/>
                </Property>
              </Properties>
            </Component>
          </SubComponents>
        </Container>
      </SubComponents>
```

```
    </Container>
    <Container class="javax.swing.JPanel" name="jPanel2">
      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="22" max="-2"
attributes="0"/>
                  <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace min="-2" pref="30" max="-2"
attributes="0"/>
                  <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace min="-2" pref="26" max="-2"
attributes="0"/>
                  <Component id="cmbMesa" min="-2" pref="81" max="-2"
attributes="0"/>
                  <EmptySpace pref="90" max="32767" attributes="0"/>
                  <Component id="jLabel3" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace type="separate" max="-2" attributes="0"/>
                  <Component id="Mesatxt" min="-2" pref="110" max="-2"
attributes="0"/>
                  <EmptySpace min="-2" pref="58" max="-2"
attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="18" max="-2"
attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Component id="jLabel1" alignment="0" min="-2"
pref="20" max="-2" attributes="0"/>
                      <Group type="103" groupAlignment="3"
attributes="0">
                          <Component id="jLabel2" alignment="3" min="-2"
max="-2" attributes="0"/>
                          <Component id="jLabel3" alignment="3" min="-2"
max="-2" attributes="0"/>
                          <Component id="cmbMesa" alignment="3" min="-2"
max="-2" attributes="0"/>
                          <Component id="Mesatxt" alignment="3" min="-2"
max="-2" attributes="0"/>
                      </Group>
                  </Group>
```

```
                <EmptySpace pref="24" max="32767" attributes="0"/>
              </Group>
            </Group>
          </DimensionLayout>
        </Layout>
        <SubComponents>
          <Component class="javax.swing.JLabel" name="jLabel1">
            <Properties>
              <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
                <Image iconType="3" name="/img/lupa.png"/>
              </Property>
            </Properties>
          </Component>
          <Component class="javax.swing.JLabel" name="jLabel2">
            <Properties>
              <Property name="text" type="java.lang.String" value="Buscar
por:"/>
            </Properties>
          </Component>
          <Component class="javax.swing.JLabel" name="jLabel3">
            <Properties>
              <Property name="text" type="java.lang.String" value="Ingrese
texto a buscar:"/>
            </Properties>
          </Component>
          <Component class="javax.swing.JComboBox" name="cmbMesa">
            <Properties>
              <Property name="model" type="javax.swing.ComboBoxModel"
editor="org.netbeans.modules.form.editors2.ComboBoxModelEditor">
                <StringArray count="4">
                  <StringItem index="0" value="Item 1"/>
                  <StringItem index="1" value="Item 2"/>
                  <StringItem index="2" value="Item 3"/>
                  <StringItem index="3" value="Item 4"/>
                </StringArray>
              </Property>
            </Properties>
            <AuxValues>
              <AuxValue name="JavaCodeGenerator_TypeParameters"
type="java.lang.String" value="&lt;String&gt;"/>
            </AuxValues>
          </Component>
          <Component class="javax.swing.JTextField" name="Mesatxt">
            <Events>
              <EventHandler event="keyReleased"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="MesatxtKeyReleased"/>
            </Events>
```

```
        </Component>
      </SubComponents>
    </Container>
    <Component class="javax.swing.JButton" name="jButton1">
      <Properties>
        <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
          <Image iconType="3" name="/img/btn/mntndrs/btn_add.png"/>
        </Property>
        <Property name="text" type="java.lang.String" value="jButton1"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton1ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JButton" name="jButton3">
      <Properties>
        <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
          <Image iconType="3" name="/img/btn/mntndrs/btn_el.png"/>
        </Property>
        <Property name="text" type="java.lang.String" value="jButton3"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton3ActionPerformed"/>
      </Events>
    </Component>
    <Component class="javax.swing.JButton" name="jButton4">
      <Properties>
        <Property name="text" type="java.lang.String" value="Volver"/>
      </Properties>
      <Events>
        <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jButton4ActionPerformed"/>
      </Events>
    </Component>
  </SubComponents>
</Form>
```

frmMesa.java

```
package frames.mantenedores;

import classes.Mesas;
import Querys.qMesas;
import frames.frmAdmin;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author pancho
 */
public class frmMesa extends javax.swing.JFrame {

    qMesas qme = new qMesas();

    public frmMesa() {
        initComponents();
        this.setLocationRelativeTo(null);
        MesaTabla.setModel(qme.cargardatos());
        cmbMesa.setModel(cargarCmbInsumo());
    }

    public DefaultComboBoxModel cargarCmbInsumo(){
        DefaultComboBoxModel modelo = new DefaultComboBoxModel();
        modelo.addElement("Codigo");
        modelo.addElement("Estado");
        return modelo;
    }


    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        MesaTabla = new javax.swing.JTable();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        cmbMesa = new javax.swing.JComboBox<>();
        Mesatxt = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
```

```
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        MesaTabla.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {

            }
        ));
        jScrollPane1.setViewportView(MesaTabla);

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGap(0, 0, Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.Group
Layout.Alignment.LEADING)
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 634, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGap(0, 402, Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.Group
Layout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, Short.MAX_VALUE)))
        );

        jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/lupa.png"))); //
NOI18N

        jLabel2.setText("Buscar por:");

        jLabel3.setText("Ingrese texto a buscar:");
```

```
        cmbMesa.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Item 1", "Item 2", "Item 3", "Item 4" }));

        Mesatxt.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                MesatxtKeyReleased(evt);
            }
        });

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(22, 22, 22)
                .addComponent(jLabel1)
                .addGap(30, 30, 30)
                .addComponent(jLabel2)
                .addGap(26, 26, 26)
                .addComponent(cmbMesa,
javax.swing.GroupLayout.PREFERRED_SIZE, 81,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 90, Short.MAX_VALUE)
                .addComponent(jLabel3)
                .addGap(18, 18, 18)
                .addComponent(Mesatxt,
javax.swing.GroupLayout.PREFERRED_SIZE, 110,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(58, 58, 58))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(18, 18, 18)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel2)
                        .addComponent(jLabel3)
```

```
                        .addComponent(cmbMesa,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(Mesatxt,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(24, Short.MAX_VALUE))
        );

        jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_add.pn
g"))); // NOI18N
        jButton1.setText("jButton1");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_el.png
"))); // NOI18N
        jButton3.setText("jButton3");
        jButton3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton3ActionPerformed(evt);
            }
        });

        jButton4.setText("Volver");
        jButton4.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton4ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.LEADING)
```

```
                    .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.LEADING)
                            .addComponent(jButton4,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(javax.swing.GroupLayout.Alignment.T
RAILING, layout.createSequentialGroup()
                                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGap(45, 45, 45)
                                .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)))))
                .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(27, 27, 27)
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.BASELINE)
                    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 43, Short.MAX_VALUE)
                .addComponent(jButton4,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton1ActionPerformed
        frmAddMesa vAdd = new frmAddMesa();
        vAdd.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_jButton1ActionPerformed

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton3ActionPerformed
        DefaultTableModel modelo = (DefaultTableModel)
MesaTabla.getModel();
        int resp = JOptionPane.showConfirmDialog(null, "¿Desea eliminar
item seleccionado?", "Eliminar", JOptionPane.YES_NO_OPTION,
JOptionPane.ERROR_MESSAGE);
        if (resp != 1) {

            qMesas qm = new qMesas();
            int fila = MesaTabla.getSelectedRow();
            int col = MesaTabla.getSelectedColumn();
            String cod;
            cod = (String) MesaTabla.getValueAt(fila, 0);
            int coda = Integer.parseInt(cod);
            qm.eliminarMesa(coda);
            modelo.removeRow(MesaTabla.getSelectedRow());

       }

    }//GEN-LAST:event_jButton3ActionPerformed

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jButton4ActionPerformed
        frmAdmin vAdm = new frmAdmin();
        vAdm.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_jButton4ActionPerformed

    private void MesatxtKeyReleased(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_MesatxtKeyReleased
       String buscar = (String) cmbMesa.getSelectedItem();
```

```
        qMesas qm = new qMesas();
        MesaTabla.setModel(qm.buscarDatos(Mesatxt.getText(), buscar));
    }//GEN-LAST:event_MesatxtKeyReleased

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmMesa.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmMesa.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmMesa.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmMesa.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmMesa().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
```

```
    private javax.swing.JTable MesaTabla;
    private javax.swing.JTextField Mesatxt;
    private javax.swing.JComboBox<String> cmbMesa;
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    // End of variables declaration//GEN-END:variables
}
```

frmUsuarios.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.5" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <NonVisualComponents>
    <Menu class="javax.swing.JMenuBar" name="jMenuBar1">
      <SubComponents>
        <Menu class="javax.swing.JMenu" name="jMenu1">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Sesi&#xf3;n"/>
          </Properties>
        </Menu>
        <Menu class="javax.swing.JMenu" name="jMenu2">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Mantenedores"/>
          </Properties>
          <SubComponents>
            <MenuItem class="javax.swing.JMenuItem" name="jMenu">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Menu"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="jMenuActionPerformed"/>
              </Events>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem2">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Proveedores"/>
              </Properties>
            </MenuItem>
          </SubComponents>
        </Menu>
      </SubComponents>
    </Menu>
  </NonVisualComponents>
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="menuBar" type="java.lang.String"
value="jMenuBar1"/>
```

```
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" alignment="0" max="32767"
attributes="0"/>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
              <EmptySpace min="0" pref="0" max="32767" attributes="0"/>
          </Group>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Container class="javax.swing.JPanel" name="jPanel1">
      <Properties>
        <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
          <Color blue="ff" green="ff" red="ff" type="rgb"/>
        </Property>
      </Properties>
```

```
      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" attributes="0">
                  <EmptySpace max="-2" attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Component id="jScrollPane1" alignment="0"
max="32767" attributes="0"/>
                      <Group type="102" alignment="1" attributes="0">
                          <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Component id="btn_volver" alignment="1"
min="-2" pref="111" max="-2" attributes="0"/>
                              <Group type="102" alignment="1"
attributes="0">
                                  <Component id="btn_add" min="-2"
pref="111" max="-2" attributes="0"/>
                                  <EmptySpace max="-2" attributes="0"/>
                                  <Component id="btn_Modificar" min="-2"
pref="111" max="-2" attributes="0"/>
                                  <EmptySpace max="-2" attributes="0"/>
                                  <Component id="btn_el" min="-2"
pref="111" max="-2" attributes="0"/>
                              </Group>
                          </Group>
                      </Group>
                      <Group type="102" attributes="0">
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Component id="jPanel2" alignment="0"
min="-2" max="-2" attributes="0"/>
                              <Component id="jLabel3" alignment="0"
min="-2" pref="139" max="-2" attributes="0"/>
                              <Component id="jLabel5" alignment="0"
min="-2" max="-2" attributes="0"/>
                          </Group>
                          <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                      </Group>
                  </Group>
                  <EmptySpace max="-2" attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
```

```
            <Group type="102" alignment="0" attributes="0">
                <EmptySpace min="-2" pref="25" max="-2"
attributes="0"/>
                <Component id="jLabel3" min="-2" max="-2"
attributes="0"/>
                <EmptySpace max="-2" attributes="0"/>
                <Component id="jPanel2" min="-2" max="-2"
attributes="0"/>
                <EmptySpace type="separate" max="-2" attributes="0"/>
                <Component id="jScrollPane1" min="-2" pref="381" max="-
2" attributes="0"/>
                <EmptySpace max="-2" attributes="0"/>
                <Component id="jLabel5" min="-2" max="-2"
attributes="0"/>
                <EmptySpace pref="14" max="32767" attributes="0"/>
                <Group type="103" groupAlignment="0" attributes="0">
                    <Component id="btn_add" alignment="0" min="-2"
pref="36" max="-2" attributes="0"/>
                    <Component id="btn_Modificar" alignment="0" min="-
2" pref="36" max="-2" attributes="0"/>
                    <Component id="btn_el" alignment="0" min="-2"
pref="36" max="-2" attributes="0"/>
                </Group>
                <EmptySpace min="-2" pref="40" max="-2"
attributes="0"/>
                <Component id="btn_volver" min="-2" pref="36" max="-2"
attributes="0"/>
                <EmptySpace min="-2" pref="26" max="-2"
attributes="0"/>
            </Group>
        </Group>
      </DimensionLayout>
    </Layout>
    <SubComponents>
      <Container class="javax.swing.JScrollPane" name="jScrollPane1">
        <AuxValues>
          <AuxValue name="autoScrollPane" type="java.lang.Boolean"
value="true"/>
        </AuxValues>

        <Layout
class="org.netbeans.modules.form.compat2.layouts.support.JScrollPaneSuppo
rtLayout"/>
        <SubComponents>
          <Component class="javax.swing.JTable" name="menuTabla">
            <Properties>
              <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
                <Font name="Tahoma" size="14" style="0"/>
```

```
                </Property>
                <Property name="model"
type="javax.swing.table.TableModel"
editor="org.netbeans.modules.form.editors2.TableModelEditor">
                  <Table columnCount="0" rowCount="0"/>
                </Property>
                <Property name="gridColor" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
                  <Color blue="ff" green="ff" red="ff" type="rgb"/>
                </Property>
                <Property name="tableHeader"
type="javax.swing.table.JTableHeader"
editor="org.netbeans.modules.form.editors2.JTableHeaderEditor">
                  <TableHeader reorderingAllowed="true"
resizingAllowed="true"/>
                </Property>
              </Properties>
            </Component>
          </SubComponents>
        </Container>
        <Component class="javax.swing.JButton" name="btn_add">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn/mntndrs/btn_add.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btn_addActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btn_el">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn/mntndrs/btn_el.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="btn_elActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btn_volver">
          <Properties>
```

```
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="0"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Volver"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btn_volverActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btn_Modificar">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="13" style="0"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Modificar"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btn_ModificarActionPerformed"/>
          </Events>
        </Component>
        <Container class="javax.swing.JPanel" name="jPanel2">
          <Properties>
            <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="border" type="javax.swing.border.Border"
editor="org.netbeans.modules.form.editors2.BorderEditor">
              <Border
info="org.netbeans.modules.form.compat2.border.EtchedBorderInfo">
                <EtchetBorder/>
              </Border>
            </Property>
          </Properties>

          <Layout>
            <DimensionLayout dim="0">
              <Group type="103" groupAlignment="0" attributes="0">
                  <Group type="102" alignment="1" attributes="0">
```

```
                    <EmptySpace max="-2" attributes="0"/>
                    <Component id="jLabel4" min="-2" pref="30" max="-2"
attributes="0"/>
                    <EmptySpace type="separate" max="32767"
attributes="0"/>
                    <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                    <Component id="cmbBus" min="-2" pref="189" max="-2"
attributes="0"/>
                    <EmptySpace type="separate" max="-2"
attributes="0"/>
                    <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
                    <EmptySpace type="separate" max="-2"
attributes="0"/>
                    <Component id="txtBus" min="-2" pref="246" max="-2"
attributes="0"/>
                    <EmptySpace min="-2" pref="27" max="-2"
attributes="0"/>
                </Group>
              </Group>
            </DimensionLayout>
            <DimensionLayout dim="1">
              <Group type="103" groupAlignment="0" attributes="0">
                  <Group type="102" alignment="1" attributes="0">
                      <EmptySpace max="32767" attributes="0"/>
                      <Group type="103" groupAlignment="0"
attributes="0">
                          <Component id="jLabel4" alignment="0" pref="0"
max="32767" attributes="0"/>
                          <Group type="103" alignment="0"
groupAlignment="3" attributes="0">
                              <Component id="jLabel2" alignment="3"
min="-2" max="-2" attributes="0"/>
                              <Component id="jLabel1" alignment="3"
min="-2" pref="14" max="-2" attributes="0"/>
                              <Component id="cmbBus" alignment="3" min="-
2" max="-2" attributes="0"/>
                          </Group>
                          <Component id="txtBus" alignment="0" min="-2"
max="-2" attributes="0"/>
                      </Group>
                      <EmptySpace max="-2" attributes="0"/>
                  </Group>
              </Group>
            </DimensionLayout>
          </Layout>
```

```
          <SubComponents>
            <Component class="javax.swing.JTextField" name="txtBus">
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="txtBusActionPerformed"/>
                <EventHandler event="keyReleased"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="txtBusKeyReleased"/>
              </Events>
            </Component>
            <Component class="javax.swing.JLabel" name="jLabel2">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Ingresar texto a buscar:"/>
              </Properties>
            </Component>
            <Component class="javax.swing.JLabel" name="jLabel1">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Buscar por:"/>
              </Properties>
            </Component>
            <Component class="javax.swing.JComboBox" name="cmbBus">
              <Properties>
                <Property name="model" type="javax.swing.ComboBoxModel"
editor="org.netbeans.modules.form.editors2.ComboBoxModelEditor">
                  <StringArray count="4">
                    <StringItem index="0" value="Item 1"/>
                    <StringItem index="1" value="Item 2"/>
                    <StringItem index="2" value="Item 3"/>
                    <StringItem index="3" value="Item 4"/>
                  </StringArray>
                </Property>
              </Properties>
              <AuxValues>
                <AuxValue name="JavaCodeGenerator_TypeParameters"
type="java.lang.String" value="&lt;String&gt;"/>
              </AuxValues>
            </Component>
            <Component class="javax.swing.JLabel" name="jLabel4">
              <Properties>
                <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
                  <Image iconType="3" name="/img/lupa.png"/>
                </Property>
              </Properties>
            </Component>
          </SubComponents>
```

```
        </Container>
        <Component class="javax.swing.JLabel" name="jLabel3">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Busqueda:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel5">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="11" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Permisos:              1.- Administrador.              2.-
Cajero.              3.- Garz&#xf3;n"/>
          </Properties>
        </Component>
      </SubComponents>
    </Container>
  </SubComponents>
</Form>
```

frmUsuarios.java

```
package frames.mantenedores;

import Querys.qProducto;
import Querys.qUsuario;
import classes.producto;
import frames.frmAdmin;
import frames.mantenedores.menu.frmAdd;
import frames.mantenedores.menu.frmModificar;
import frames.mantenedores.usuarios.frmAddUsu;
import javax.swing.DefaultComboBoxModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author DiegoT
 */


public class frmUsuarios extends javax.swing.JFrame {

     qUsuario qu = new qUsuario();
    public frmUsuarios() {
        initComponents();
        this.setLocationRelativeTo(null);
        menuTabla.setModel(qu.cargardatos());
        cmbBus.setModel(qu.cargarCmbBusUsu());
    }



    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        menuTabla = new javax.swing.JTable();
        btn_add = new javax.swing.JButton();
        btn_el = new javax.swing.JButton();
        btn_volver = new javax.swing.JButton();
        btn_Modificar = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        txtBus = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
```

```
        cmbBus = new javax.swing.JComboBox<>();
        jLabel4 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jMenuBar1 = new javax.swing.JMenuBar();
        jMenu1 = new javax.swing.JMenu();
        jMenu2 = new javax.swing.JMenu();
        jMenu = new javax.swing.JMenuItem();
        jMenuItem2 = new javax.swing.JMenuItem();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));

        menuTabla.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        menuTabla.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {

            }
        ));
        menuTabla.setGridColor(new java.awt.Color(255, 255, 255));
        jScrollPane1.setViewportView(menuTabla);

        btn_add.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_add.pn
g"))); // NOI18N
        btn_add.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_addActionPerformed(evt);
            }
        });

        btn_el.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/mntndrs/btn_el.png
"))); // NOI18N
        btn_el.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_elActionPerformed(evt);
            }
        });

        btn_volver.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        btn_volver.setText("Volver");
        btn_volver.addActionListener(new java.awt.event.ActionListener()
{
```

```
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_volverActionPerformed(evt);
            }
        });

        btn_Modificar.setFont(new java.awt.Font("Tahoma", 0, 13)); //
NOI18N
        btn_Modificar.setText("Modificar");
        btn_Modificar.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_ModificarActionPerformed(evt);
            }
        });

        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder())
;

        txtBus.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtBusActionPerformed(evt);
            }
        });
        txtBus.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtBusKeyReleased(evt);
            }
        });

        jLabel2.setText("Ingresar texto a buscar:");

        jLabel1.setText("Buscar por:");

        cmbBus.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Item 1", "Item 2", "Item 3", "Item 4" }));

        jLabel4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/lupa.png"))); //
NOI18N

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
```

```
                .addContainerGap()
                .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, Short.MAX_VALUE)
                .addComponent(jLabel1)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.UNRELATED)
                .addComponent(cmbBus,
javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel2)
                .addGap(18, 18, 18)
                .addComponent(txtBus,
javax.swing.GroupLayout.PREFERRED_SIZE, 246,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(27, 27, 27))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel2)
                        .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 14,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(cmbBus,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addComponent(txtBus,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap())
        );

        jLabel3.setText("Busqueda:");
```

```
        jLabel5.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
        jLabel5.setText("Permisos:              1.-
Administrador.              2.- Cajero.              3.- Garzón");

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(jScrollPane1)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                        .addGap(0, 0, Short.MAX_VALUE)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(btn_volver,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGroup(javax.swing.GroupLayout.Alignment.T
RAILING, jPanel1Layout.createSequentialGroup()
                                .addComponent(btn_add,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED)
                                .addComponent(btn_Modificar,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED)
                                .addComponent(btn_el,
javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 139,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                            .addComponent(jLabel5))
                        .addGap(0, 0, Short.MAX_VALUE)))
                .addContainerGap())
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(25, 25, 25)
                .addComponent(jLabel3)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED)
                .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 381,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED)
                .addComponent(jLabel5)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED, 14, Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(btn_add,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(btn_Modificar,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(btn_el,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(40, 40, 40)
                .addComponent(btn_volver,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(26, 26, 26))
        );

        jMenu1.setText("Sesión");
        jMenuBar1.add(jMenu1);

        jMenu2.setText("Mantenedores");

        jMenu.setText("Menu");
```

```
        jMenu.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuActionPerformed(evt);
            }
        });
        jMenu2.add(jMenu);

        jMenuItem2.setText("Proveedores");
        jMenu2.add(jMenuItem2);

        jMenuBar1.add(jMenu2);

        setJMenuBar(jMenuBar1);

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jMenuActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_jMenuActionPerformed

    private void btn_addActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btn_addActionPerformed
        frmAddUsu vAdd = new frmAddUsu();
        vAdd.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_btn_addActionPerformed
```

```
    private void btn_elActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btn_elActionPerformed

        DefaultTableModel modelo = (DefaultTableModel)
menuTabla.getModel();
        int resp = JOptionPane.showConfirmDialog(null, "¿Desea eliminar
item seleccionado?", "Eliminar", JOptionPane.YES_NO_OPTION,
JOptionPane.ERROR_MESSAGE);
        if (resp != 1){

            qUsuario quu = new qUsuario();
            int fila = menuTabla.getSelectedRow();
            int col = menuTabla.getSelectedColumn();
            String usuario;
            usuario = (String) menuTabla.getValueAt(fila, 0);
            System.out.println(usuario);
            if (!usuario.equals("ADMIN")){
            quu.eliminarUsuario(usuario);
            modelo.removeRow(menuTabla.getSelectedRow());
            }
            else{
            JOptionPane.showMessageDialog(null,"No se puede eliminar
usuario ADMIN");
                    }


            }
    }//GEN-LAST:event_btn_elActionPerformed


    private void btn_volverActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btn_volverActionPerformed
     frmAdmin vAdm = new frmAdmin();
        vAdm.setVisible(true);
        this.dispose();     }//GEN-LAST:event_btn_volverActionPerformed

    private void btn_ModificarActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btn_ModificarActionPerformed

        if (menuTabla.getSelectedRow() == -1)  {
            JOptionPane.showMessageDialog(null, "Seleccione un elemento
de la lista.");
        }
        else{
            producto prod = new producto();
            int fila = menuTabla.getSelectedRow();

            String cod;
            cod = (String) menuTabla.getValueAt(fila, 0);
```

```
            int coda = Integer.parseInt(cod);
            String nombre = (String) menuTabla.getValueAt(fila, 1);
            String descripcion = (String) menuTabla.getValueAt(fila,3);
            String precio = (String) menuTabla.getValueAt(fila, 2);
            int precioa = Integer.parseInt(precio);
            prod.setCod_producto(coda);
            prod.setNom_producto(nombre);
            prod.setDescripcion(descripcion);
            prod.setPrecio(precioa);
            frmModificar vM = new frmModificar(prod);

            vM.setVisible(true);
            this.dispose();

        }
    }//GEN-LAST:event_btn_ModificarActionPerformed

    private void txtBusActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_txtBusActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_txtBusActionPerformed

    private void txtBusKeyReleased(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_txtBusKeyReleased
        String buscar = (String) cmbBus.getSelectedItem();
        qUsuario qu = new qUsuario();
        menuTabla.setModel(qu.buscarDatos(txtBus.getText(), buscar));
    }//GEN-LAST:event_txtBusKeyReleased

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
```

```
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmUsuarios.class.getName(
)).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmUsuarios.class.getName(
)).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmUsuarios.class.getName(
)).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmUsuarios.class.getName(
)).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmUsuarios().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton btn_Modificar;
    private javax.swing.JButton btn_add;
    private javax.swing.JButton btn_el;
    private javax.swing.JButton btn_volver;
    private javax.swing.JComboBox<String> cmbBus;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JMenuItem jMenu;
    private javax.swing.JMenu jMenu1;
    private javax.swing.JMenu jMenu2;
    private javax.swing.JMenuBar jMenuBar1;
    private javax.swing.JMenuItem jMenuItem2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable menuTabla;
    private javax.swing.JTextField txtBus;
    // End of variables declaration//GEN-END:variables

}
```

frmPedido.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
    <Property name="resizable" type="boolean" value="false"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Group type="102" alignment="0" attributes="0">
              <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
              <EmptySpace min="0" pref="0" max="32767" attributes="0"/>
          </Group>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" alignment="0" pref="737" max="32767"
attributes="0"/>
```

```
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Container class="javax.swing.JPanel" name="jPanel1">
      <Properties>
        <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
          <Color blue="ff" green="ff" red="ff" type="rgb"/>
        </Property>
      </Properties>

      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" attributes="0">
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Group type="102" alignment="0" attributes="0">
                          <EmptySpace min="-2" pref="74" max="-2"
attributes="0"/>
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Group type="102" attributes="0">
                                  <Group type="103" groupAlignment="0"
attributes="0">
                                      <Component id="btn_nuevoPedido"
alignment="0" min="-2" pref="299" max="-2" attributes="0"/>
                                      <Component id="jLabel1"
alignment="0" min="-2" max="-2" attributes="0"/>
                                      <Group type="102" alignment="0"
attributes="0">
                                          <Group type="103"
groupAlignment="0" max="-2" attributes="0">
                                              <Group type="102"
attributes="0">
                                                  <Component
id="btnQuitar" min="-2" max="-2" attributes="0"/>
                                                  <EmptySpace max="-2"
attributes="0"/>
                                                  <Component
id="btnQuitar1" min="-2" max="-2" attributes="0"/>
                                                  <EmptySpace min="-2"
max="-2" attributes="0"/>
                                                  <Component
id="btnSalir" min="-2" pref="110" max="-2" attributes="0"/>
                                              </Group>
                                              <Component
id="jScrollPane2" pref="0" max="32767" attributes="0"/>
                                          </Group>
```

```
                                        <EmptySpace type="separate"
max="-2" attributes="0"/>
                                        <Group type="103"
groupAlignment="0" attributes="0">
                                            <Component id="btnIng"
min="-2" pref="65" max="-2" attributes="0"/>
                                            <Component id="btnEliminar"
min="-2" pref="65" max="-2" attributes="0"/>
                                        </Group>
                                    </Group>
                                </Group>
                                <EmptySpace min="18" pref="18" max="-2"
attributes="0"/>
                                <Group type="103" groupAlignment="0"
attributes="0">
                                    <Group type="102" attributes="0">
                                        <Group type="103"
groupAlignment="0" attributes="0">
                                            <Group type="102"
attributes="0">
                                                <Component
id="btnEnviar" min="-2" pref="260" max="-2" attributes="0"/>
                                                <EmptySpace
type="unrelated" max="-2" attributes="0"/>
                                                <Component
id="btnNiños" min="-2" pref="141" max="-2" attributes="0"/>
                                                <EmptySpace
type="separate" max="-2" attributes="0"/>
                                                <Component
id="btnSopas" min="-2" pref="141" max="-2" attributes="0"/>
                                            </Group>
                                            <Component
id="jScrollPane3" min="-2" pref="582" max="-2" attributes="0"/>
                                        </Group>
                                        <Group type="103"
groupAlignment="0" attributes="0">
                                            <Group type="102"
alignment="1" attributes="0">
                                                <EmptySpace min="-2"
pref="2" max="-2" attributes="0"/>
                                                <Component
id="btnBebestibles" min="-2" pref="141" max="-2" attributes="0"/>
                                            </Group>
                                            <Group type="102"
attributes="0">
                                                <EmptySpace
type="separate" max="-2" attributes="0"/>
                                                <Group type="103"
groupAlignment="0" attributes="0">
```

```
                                                    <Component
id="btnCafeteria" alignment="0" min="-2" pref="141" max="-2"
attributes="0"/>
                                                    <Component
id="btnPobres" min="-2" pref="141" max="-2" attributes="0"/>
                                                    <Component
id="btnMenuDelDía" alignment="0" min="-2" pref="141" max="-2"
attributes="0"/>
                                                    <Component
id="btnPostres" alignment="0" min="-2" pref="141" max="-2"
attributes="0"/>
                                                </Group>
                                            </Group>
                                        </Group>
                                    </Group>
                                    <Group type="102" alignment="0"
attributes="0">
                                        <Component id="btnEsp" min="-2"
pref="141" max="-2" attributes="0"/>
                                        <EmptySpace max="-2"
attributes="0"/>
                                        <Component id="btnEmpanadas"
min="-2" pref="141" max="-2" attributes="0"/>
                                        <EmptySpace min="-2" pref="11"
max="-2" attributes="0"/>
                                        <Component id="btnAgregados"
min="-2" pref="141" max="-2" attributes="0"/>
                                        <EmptySpace type="unrelated"
max="-2" attributes="0"/>
                                        <Component id="btnEnsaladas"
min="-2" pref="141" max="-2" attributes="0"/>
                                        <EmptySpace type="unrelated"
max="-2" attributes="0"/>
                                        <Component id="btnEntradas"
min="-2" pref="141" max="-2" attributes="0"/>
                                    </Group>
                                </Group>
                            </Group>
                            <Group type="102" attributes="0">
                                <Component id="lblMesa" min="-2"
pref="179" max="-2" attributes="0"/>
                                <EmptySpace max="-2" attributes="0"/>
                                <Component id="lblNombre" min="-2"
pref="179" max="-2" attributes="0"/>
                            </Group>
                        </Group>
                    </Group>
                    <Group type="102" alignment="0" attributes="0">
                        <EmptySpace max="-2" attributes="0"/>
```

```
                        <Component id="jButton6" min="-2" pref="148"
max="-2" attributes="0"/>
                    </Group>
                </Group>
                <EmptySpace pref="128" max="32767" attributes="0"/>
            </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="1" attributes="0">
                  <Group type="103" groupAlignment="3" attributes="0">
                      <Component id="lblNombre" alignment="3" min="-2"
pref="35" max="-2" attributes="0"/>
                      <Component id="lblMesa" alignment="3" min="-2"
pref="35" max="-2" attributes="0"/>
                  </Group>
                  <EmptySpace max="-2" attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Component id="btnEsp" alignment="1" min="-2"
pref="101" max="-2" attributes="0"/>
                      <Group type="103" groupAlignment="3"
attributes="0">
                          <Component id="jLabel1" alignment="3" min="-2"
max="-2" attributes="0"/>
                          <Component id="btnAgregados" alignment="3"
min="-2" pref="101" max="-2" attributes="0"/>
                          <Component id="btnEmpanadas" alignment="3"
min="-2" pref="101" max="-2" attributes="0"/>
                          <Component id="btnEnsaladas" alignment="3"
min="-2" pref="101" max="-2" attributes="0"/>
                          <Component id="btnEntradas" alignment="3"
min="-2" pref="101" max="-2" attributes="0"/>
                      </Group>
                  </Group>
                  <EmptySpace max="-2" attributes="0"/>
                  <Group type="103" groupAlignment="1" attributes="0">
                      <Group type="102" attributes="0">
                          <Component id="btn_nuevoPedido" min="-2"
pref="55" max="-2" attributes="0"/>
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Group type="102" attributes="0">
                                  <EmptySpace min="-2" pref="59" max="-2"
attributes="0"/>
                                  <Component id="btnIng" min="-2"
pref="74" max="-2" attributes="0"/>
                                  <EmptySpace max="-2" attributes="0"/>
```

```
                                <Component id="btnEliminar" min="-2"
pref="74" max="-2" attributes="0"/>
                            </Group>
                            <Group type="102" attributes="0">
                                <EmptySpace min="-2" pref="30" max="-2"
attributes="0"/>
                                <Component id="jScrollPane2" min="-2"
pref="357" max="-2" attributes="0"/>
                            </Group>
                        </Group>
                        <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                        <Group type="103" groupAlignment="0" max="-2"
attributes="0">
                            <Component id="btnQuitar" max="32767"
attributes="0"/>
                            <Component id="btnQuitar1" pref="87"
max="32767" attributes="0"/>
                            <Component id="btnSalir" max="32767"
attributes="0"/>
                        </Group>
                        <EmptySpace min="-2" pref="19" max="-2"
attributes="0"/>
                    </Group>
                    <Group type="102" attributes="0">
                        <Group type="103" groupAlignment="0" max="-2"
attributes="0">
                            <Group type="102" attributes="0">
                                <Component id="btnPostres" min="-2"
pref="101" max="-2" attributes="0"/>
                                <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                                <Component id="btnPobres" min="-2"
pref="101" max="-2" attributes="0"/>
                                <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                                <Component id="btnCafeteria" min="-2"
pref="101" max="-2" attributes="0"/>
                                <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                                <Component id="btnMenuDelDía" min="-2"
pref="101" max="-2" attributes="0"/>
                            </Group>
                            <Component id="jScrollPane3" max="32767"
attributes="0"/>
                        </Group>
                        <EmptySpace type="unrelated" max="-2"
attributes="0"/>
```

```
                        <Group type="103" groupAlignment="3"
attributes="0">
                            <Component id="btnBebestibles"
alignment="3" min="-2" pref="101" max="-2" attributes="0"/>
                            <Component id="btnSopas" alignment="3"
min="-2" pref="101" max="-2" attributes="0"/>
                            <Component id="btnNiños" alignment="3"
min="-2" pref="101" max="-2" attributes="0"/>
                            <Component id="btnEnviar" alignment="3"
min="-2" max="-2" attributes="0"/>
                        </Group>
                    </Group>
                </Group>
                <EmptySpace min="-2" pref="138" max="-2"
attributes="0"/>
                <Component id="jButton6" min="-2" max="-2"
attributes="0"/>
                <EmptySpace max="32767" attributes="0"/>
            </Group>
          </Group>
        </DimensionLayout>
      </Layout>
      <SubComponents>
        <Component class="javax.swing.JButton" name="btn_nuevoPedido">
          <Properties>
            <Property name="text" type="java.lang.String" value="Nuevo
Pedido"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btn_nuevoPedidoActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnSalir">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Salir"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnSalirActionPerformed"/>
          </Events>
```

```
        </Component>
        <Component class="javax.swing.JButton" name="btnEsp">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Platos
Especiales"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="btnEspActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnPobres">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Platos
Pobres"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnPobresActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnSopas">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Sopas"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnSopasActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnEmpanadas">
          <Properties>
```

```
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Empanadas"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnEmpanadasActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="jButton6">
          <Properties>
            <Property name="text" type="java.lang.String" value="Enviar a
Cocina"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JLabel" name="lblNombre">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="0"/>
            </Property>
            <Property name="text" type="java.lang.String" value="."/>
          </Properties>
        </Component>
        <Component class="javax.swing.JButton" name="btnQuitar">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Cancelar
Pedido"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnQuitarActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnAgregados">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
```

```
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Agregados"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnAgregadosActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnEnsaladas">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Ensaladas"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnEnsaladasActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnNi&#xf1;os">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Para
ni&#xf1;os"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnNi&#xf1;osActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel1">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/rcimgpeq.jpg"/>
```

```
            </Property>
            <Property name="text" type="java.lang.String" value=","/>
          </Properties>
        </Component>
        <Component class="javax.swing.JButton" name="btnIng">
          <Properties>
            <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="foreground" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn/flecha.png"/>
            </Property>
            <Property name="border" type="javax.swing.border.Border"
editor="org.netbeans.modules.form.editors2.BorderEditor">
              <Border info="null"/>
            </Property>
            <Property name="borderPainted" type="boolean" value="false"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="btnIngActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnEliminar">
          <Properties>
            <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="foreground" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn/borrar.png"/>
            </Property>
            <Property name="border" type="javax.swing.border.Border"
editor="org.netbeans.modules.form.editors2.BorderEditor">
              <Border info="null"/>
            </Property>
            <Property name="borderPainted" type="boolean" value="false"/>
```

```
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnEliminarActionPerformed"/>
          </Events>
        </Component>
        <Container class="javax.swing.JScrollPane" name="jScrollPane2">
          <AuxValues>
            <AuxValue name="autoScrollPane" type="java.lang.Boolean"
value="true"/>
          </AuxValues>

          <Layout
class="org.netbeans.modules.form.compat2.layouts.support.JScrollPaneSuppo
rtLayout"/>
          <SubComponents>
            <Component class="javax.swing.JTable" name="lstPed">
              <Properties>
                <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
                  <Color blue="ea" green="ea" red="dd" type="rgb"/>
                </Property>
                <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
                  <Font name="Tahoma" size="14" style="0"/>
                </Property>
                <Property name="model"
type="javax.swing.table.TableModel"
editor="org.netbeans.modules.form.editors2.TableModelEditor">
                  <Table columnCount="0" rowCount="4"/>
                </Property>
              </Properties>
            </Component>
          </SubComponents>
        </Container>
        <Component class="javax.swing.JLabel" name="lblMesa">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="0"/>
            </Property>
            <Property name="text" type="java.lang.String" value="."/>
          </Properties>
        </Component>
        <Component class="javax.swing.JButton" name="btnEnviar">
          <Properties>
```

```
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn/btn_EnviarPedido.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnEnviarActionPerformed"/>
          </Events>
        </Component>
        <Container class="javax.swing.JScrollPane" name="jScrollPane3">
          <AuxValues>
            <AuxValue name="autoScrollPane" type="java.lang.Boolean"
value="true"/>
          </AuxValues>

          <Layout
class="org.netbeans.modules.form.compat2.layouts.support.JScrollPaneSuppo
rtLayout"/>
          <SubComponents>
            <Component class="javax.swing.JTable" name="lstMenu">
              <Properties>
                <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
                  <Font name="Tahoma" size="24" style="0"/>
                </Property>
                <Property name="model"
type="javax.swing.table.TableModel"
editor="org.netbeans.modules.form.editors2.TableModelEditor">
                  <Table columnCount="0" rowCount="4"/>
                </Property>
                <Property name="rowHeight" type="int" value="28"/>
              </Properties>
            </Component>
          </SubComponents>
        </Container>
        <Component class="javax.swing.JButton" name="btnEntradas">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Entradas"/>
          </Properties>
          <Events>
```

```
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnEntradasActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnPostres">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Postres"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnPostresActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnBebestibles">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Bebestibles"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnBebestiblesActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnCafeteria">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Cafeteria"/>
          </Properties>
          <Events>
```

```
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnCafeteriaActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnMenuDelD&#xed;a">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Menu Del
D&#xed;a"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnMenuDelD&#xed;aActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnQuitar1">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Modificar Pedido"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnQuitar1ActionPerformed"/>
          </Events>
        </Component>
      </SubComponents>
    </Container>
  </SubComponents>
</Form>
```

frmPedido.java

```
package frames;

import Querys.qMesas;
import Querys.qMesero;
import Querys.qPedido;
import Querys.qPedidoProducto;
import Querys.qProdCat;
import Querys.qArqueo;
import classes.mesa;
import classes.Mesero;
import classes.usuario;
import javax.swing.DefaultListModel;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author DiegoTorres
 */
public class frmPedido extends javax.swing.JFrame {

    DefaultTableModel modeloPed = new DefaultTableModel();
    DefaultTableModel modeloMenu = new DefaultTableModel();

    usuario user = new usuario();
    Mesero mes = new Mesero();
    mesa me = new mesa();

    public frmPedido(usuario user) {
        initComponents();

        Mesero mes = new Mesero(user.getCodMesero());
        qMesero qm = new qMesero();
        mes.setNom_mesero(qm.consultarNombre(user.getCodMesero()));
        this.setLocationRelativeTo(null);
        this.setExtendedState(MAXIMIZED_BOTH);
        this.user = user;
        modeloPed.addColumn("Código");
        modeloPed.addColumn("Producto");
        modeloPed.addColumn("Cantidad");
        categoriaMenu();
        lstPed.setModel(modeloPed);
        lblNombre.setText("Usuario: "
                + mes.getNom_mesero());

    }
```

```
    public frmPedido(mesa me, usuario user) {
        initComponents();
        this.user = user;
        this.me = me;

        qMesero qm = new qMesero();

        mes.setNom_mesero(qm.consultarNombre(user.getCodMesero()));
        this.setLocationRelativeTo(null);
        this.setExtendedState(MAXIMIZED_BOTH);
        modeloPed.addColumn("Código");
        modeloPed.addColumn("Producto");
        modeloPed.addColumn("Cantidad");
        categoriaMenu();
        lstPed.setModel(modeloPed);
        lblNombre.setText("Usuario: " + mes.getNom_mesero());
        lblMesa.setText("Mesa:" + me.getCod_mesa());

    }

    public frmPedido() {
        initComponents();
        //  mesero mes = new mesero(usu.getCodMesero()," ");
        this.setExtendedState(MAXIMIZED_BOTH);
        this.setLocationRelativeTo(null);
        modeloPed.addColumn("Código");
        modeloPed.addColumn("Producto");
        modeloPed.addColumn("Cantidad");
        categoriaMenu();
        lstPed.setModel(modeloPed);

    }

    public DefaultTableModel categoriaMenu() {
        DefaultTableModel modeloMenu = new DefaultTableModel();
        modeloMenu.addColumn("Código");
        modeloMenu.addColumn("Producto");
        // lstMenu.disable();

        lstMenu.enableInputMethods(false);
        return modeloMenu;
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
```

```
        btn_nuevoPedido = new javax.swing.JButton();
        btnSalir = new javax.swing.JButton();
        btnEsp = new javax.swing.JButton();
        btnPobres = new javax.swing.JButton();
        btnSopas = new javax.swing.JButton();
        btnEmpanadas = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        lblNombre = new javax.swing.JLabel();
        btnQuitar = new javax.swing.JButton();
        btnAgregados = new javax.swing.JButton();
        btnEnsaladas = new javax.swing.JButton();
        btnNiños = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        btnIng = new javax.swing.JButton();
        btnEliminar = new javax.swing.JButton();
        jScrollPane2 = new javax.swing.JScrollPane();
        lstPed = new javax.swing.JTable();
        lblMesa = new javax.swing.JLabel();
        btnEnviar = new javax.swing.JButton();
        jScrollPane3 = new javax.swing.JScrollPane();
        lstMenu = new javax.swing.JTable();
        btnEntradas = new javax.swing.JButton();
        btnPostres = new javax.swing.JButton();
        btnBebestibles = new javax.swing.JButton();
        btnCafeteria = new javax.swing.JButton();
        btnMenuDelDía = new javax.swing.JButton();
        btnQuitar1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));

        btn_nuevoPedido.setText("Nuevo Pedido");
        btn_nuevoPedido.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btn_nuevoPedidoActionPerformed(evt);
            }
        });

        btnSalir.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnSalir.setText("Salir");
        btnSalir.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSalirActionPerformed(evt);
            }
        });
```

```
        btnEsp.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnEsp.setText("Platos Especiales");
        btnEsp.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnEspActionPerformed(evt);
            }
        });

        btnPobres.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnPobres.setText("Platos Pobres");
        btnPobres.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnPobresActionPerformed(evt);
            }
        });

        btnSopas.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnSopas.setText("Sopas");
        btnSopas.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSopasActionPerformed(evt);
            }
        });

        btnEmpanadas.setFont(new java.awt.Font("Tahoma", 1, 12)); //
NOI18N
        btnEmpanadas.setText("Empanadas");
        btnEmpanadas.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnEmpanadasActionPerformed(evt);
            }
        });

        jButton6.setText("Enviar a Cocina");

        lblNombre.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        lblNombre.setText(".");

        btnQuitar.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnQuitar.setText("Cancelar Pedido");
        btnQuitar.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnQuitarActionPerformed(evt);
            }
        });
```

```
        btnAgregados.setFont(new java.awt.Font("Tahoma", 1, 12)); //
NOI18N
        btnAgregados.setText("Agregados");
        btnAgregados.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnAgregadosActionPerformed(evt);
            }
        });

        btnEnsaladas.setFont(new java.awt.Font("Tahoma", 1, 12)); //
NOI18N
        btnEnsaladas.setText("Ensaladas");
        btnEnsaladas.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnEnsaladasActionPerformed(evt);
            }
        });

        btnNiños.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnNiños.setText("Para niños");
        btnNiños.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnNiñosActionPerformed(evt);
            }
        });

        jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/rcimgpeq.jpg"))); //
NOI18N
        jLabel1.setText(",");

        btnIng.setBackground(new java.awt.Color(255, 255, 255));
        btnIng.setForeground(new java.awt.Color(255, 255, 255));
        btnIng.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/flecha.png"))); //
NOI18N
        btnIng.setBorder(null);
        btnIng.setBorderPainted(false);
        btnIng.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnIngActionPerformed(evt);
            }
        });

        btnEliminar.setBackground(new java.awt.Color(255, 255, 255));
        btnEliminar.setForeground(new java.awt.Color(255, 255, 255));
```

```
        btnEliminar.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/borrar.png"))); //
NOI18N
        btnEliminar.setBorder(null);
        btnEliminar.setBorderPainted(false);
        btnEliminar.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnEliminarActionPerformed(evt);
            }
        });

        lstPed.setBackground(new java.awt.Color(221, 234, 234));
        lstPed.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        lstPed.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {},
                {},
                {},
                {}
            },
            new String [] {

            }
        ));
        jScrollPane2.setViewportView(lstPed);

        lblMesa.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        lblMesa.setText(".");

        btnEnviar.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/btn_EnviarPedido.p
ng"))); // NOI18N
        btnEnviar.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnEnviarActionPerformed(evt);
            }
        });

        lstMenu.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
        lstMenu.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {},
                {},
                {},
                {}
            },
            new String [] {
```

```
            }
        ));
        lstMenu.setRowHeight(28);
        jScrollPane3.setViewportView(lstMenu);

        btnEntradas.setFont(new java.awt.Font("Tahoma", 1, 12)); //
NOI18N
        btnEntradas.setText("Entradas");
        btnEntradas.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnEntradasActionPerformed(evt);
            }
        });

        btnPostres.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnPostres.setText("Postres");
        btnPostres.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnPostresActionPerformed(evt);
            }
        });

        btnBebestibles.setFont(new java.awt.Font("Tahoma", 1, 12)); //
NOI18N
        btnBebestibles.setText("Bebestibles");
        btnBebestibles.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnBebestiblesActionPerformed(evt);
            }
        });

        btnCafeteria.setFont(new java.awt.Font("Tahoma", 1, 12)); //
NOI18N
        btnCafeteria.setText("Cafeteria");
        btnCafeteria.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnCafeteriaActionPerformed(evt);
            }
        });

        btnMenuDelDía.setFont(new java.awt.Font("Tahoma", 1, 12)); //
NOI18N
        btnMenuDelDía.setText("Menu Del Día");
        btnMenuDelDía.addActionListener(new
java.awt.event.ActionListener() {
```

```
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnMenuDelDíaActionPerformed(evt);
            }
        });

        btnQuitar1.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
        btnQuitar1.setText("Modificar Pedido");
        btnQuitar1.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnQuitar1ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(74, 74, 74)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addGroup(jPanel1Layout.createParallelGro
up(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(btn_nuevoPedido,
javax.swing.GroupLayout.PREFERRED_SIZE, 299,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(jLabel1)
                                    .addGroup(jPanel1Layout.createSequent
ialGroup()
                                        .addGroup(jPanel1Layout.createPar
allelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                            .addGroup(jPanel1Layout.creat
eSequentialGroup()
                                                .addComponent(btnQuitar)
                                                .addPreferredGap(javax.sw
ing.LayoutStyle.ComponentPlacement.RELATED)
                                                .addComponent(btnQuitar1)
                                                .addPreferredGap(javax.sw
ing.LayoutStyle.ComponentPlacement.RELATED)
```

```
                                                .addComponent(btnSalir,
javax.swing.GroupLayout.PREFERRED_SIZE, 110,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                            .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE))
                                        .addGap(18, 18, 18)
                                        .addGroup(jPanel1Layout.createPar
allelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                            .addComponent(btnIng,
javax.swing.GroupLayout.PREFERRED_SIZE, 65,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addComponent(btnEliminar,
javax.swing.GroupLayout.PREFERRED_SIZE, 65,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                                .addGap(18, 18, 18)
                                .addGroup(jPanel1Layout.createParallelGro
up(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addGroup(jPanel1Layout.createSequent
ialGroup()
                                        .addGroup(jPanel1Layout.createPar
allelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                            .addGroup(jPanel1Layout.creat
eSequentialGroup()
                                                .addComponent(btnEnviar,
javax.swing.GroupLayout.PREFERRED_SIZE, 260,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                                .addPreferredGap(javax.sw
ing.LayoutStyle.ComponentPlacement.UNRELATED)
                                                .addComponent(btnNiños,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                                .addGap(18, 18, 18)
                                                .addComponent(btnSopas,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                            .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, 582,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                        .addGroup(jPanel1Layout.createPar
allelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                            .addGroup(javax.swing.GroupLa
yout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
                                                .addGap(2, 2, 2)
                                                .addComponent(btnBebestib
les, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                            .addGroup(jPanel1Layout.creat
eSequentialGroup()
                                                .addGap(18, 18, 18)
```

```
                                                .addGroup(jPanel1Layout.c
reateParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                    .addComponent(btnCafe
teria, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                                    .addComponent(btnPobr
es, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                                    .addComponent(btnMenu
DelDía, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                                    .addComponent(btnPost
res, javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)))))
                                        .addGroup(jPanel1Layout.createSequent
ialGroup()
                                            .addComponent(btnEsp,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addPreferredGap(javax.swing.Layo
utStyle.ComponentPlacement.RELATED)
                                            .addComponent(btnEmpanadas,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addGap(11, 11, 11)
                                            .addComponent(btnAgregados,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addPreferredGap(javax.swing.Layo
utStyle.ComponentPlacement.UNRELATED)
                                            .addComponent(btnEnsaladas,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addPreferredGap(javax.swing.Layo
utStyle.ComponentPlacement.UNRELATED)
                                            .addComponent(btnEntradas,
javax.swing.GroupLayout.PREFERRED_SIZE, 141,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                                .addGroup(jPanel1Layout.createSequentialGroup
()
                                    .addComponent(lblMesa,
javax.swing.GroupLayout.PREFERRED_SIZE, 179,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED)
                                    .addComponent(lblNombre,
javax.swing.GroupLayout.PREFERRED_SIZE, 179,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                        .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                        .addContainerGap()
                        .addComponent(jButton6,
javax.swing.GroupLayout.PREFERRED_SIZE, 148,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(128, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.BASELINE)
                    .addComponent(lblNombre,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(lblMesa,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(btnEsp,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel1)
                        .addComponent(btnAgregados,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(btnEmpanadas,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(btnEnsaladas,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(btnEntradas,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.TRAILING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                        .addComponent(btn_nuevoPedido,
javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addGap(59, 59, 59)
                                .addComponent(btnIng,
javax.swing.GroupLayout.PREFERRED_SIZE, 74,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED)
                                .addComponent(btnEliminar,
javax.swing.GroupLayout.PREFERRED_SIZE, 74,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addGap(30, 30, 30)
                                .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, 357,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.UNRELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING, false)
                            .addComponent(btnQuitar,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(btnQuitar1,
javax.swing.GroupLayout.DEFAULT_SIZE, 87, Short.MAX_VALUE)
                            .addComponent(btnSalir,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                        .addGap(19, 19, 19))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING, false)
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addComponent(btnPostres,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.UNRELATED)
                                .addComponent(btnPobres,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.UNRELATED)
                                .addComponent(btnCafeteria,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.UNRELATED)
                                .addComponent(btnMenuDelDía,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addComponent(jScrollPane3))
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.UNRELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(btnBebestibles,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(btnSopas,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(btnNiños,
javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(btnEnviar))))
                .addGap(138, 138, 138)
                .addComponent(jButton6)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 737, Short.MAX_VALUE)
```

```
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void btnEnviarActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnEnviarActionPerformed
        if (lblMesa.getText().equals(".")) {
            JOptionPane.showMessageDialog(null, "Seleccione Mesa.");

        } else {
            if (lstPed.getRowCount() == 0) {
                JOptionPane.showMessageDialog(null, "Seleccione productos
a pedir.");
            } else {
                String[][] arreglo = new String[lstPed.getRowCount()][2];
                System.out.println("largo lista "
                        + lstPed.getRowCount());

                for (int i = 0; i < lstPed.getRowCount(); i++) {
                    System.out.println("DENTRO DEL FOR");
                    String codigo = (String) lstPed.getValueAt(i, 0);
                    String cantidad = (String) lstPed.getValueAt(i, 2);

                    arreglo[i][0] = codigo;
                    arreglo[i][1] = cantidad;
                }

                qPedido qp = new qPedido();
                qp.nuevoPedido(user.getCodMesero(), me.getCod_mesa(),
arreglo);
                JOptionPane.showMessageDialog(null, "Pedido enviado.");
                frmLogTouch frmLog = new frmLogTouch();
                frmLog.setVisible(true);
                this.dispose();
            }

        }

    }//GEN-LAST:event_btnEnviarActionPerformed

    private void btnEliminarActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnEliminarActionPerformed
        int pos = lstPed.getSelectedRow();
        if ((lstPed.getRowCount() != 0) && (pos != -1)) {

            if (lstPed.getValueAt(pos, 2).equals("1")) {
                modeloPed.removeRow(pos);
                lstPed.setModel(modeloPed);
```

```
            } else {
                String cant = (String) lstPed.getValueAt(pos, 2);
                int cantaux = Integer.parseInt(cant) - 1;
                modeloPed.setValueAt(String.valueOf(cantaux), pos, 2);

            }
        }
    }//GEN-LAST:event_btnEliminarActionPerformed

    private void btnIngActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnIngActionPerformed
        if (lstMenu.getSelectedRow() != -1) {
            int fila = lstMenu.getSelectedRow();
            int col = lstMenu.getSelectedColumn();
            String producto = (String) lstMenu.getValueAt(fila, 1);
            String codigo = (String) lstMenu.getValueAt(fila, 0);
            int existe = recorrerPedido(codigo);
            String[] arreglo = new String[3];

            if (existe == 0) {

                arreglo[0] = codigo;
                arreglo[1] = producto;
                arreglo[2] = "1";
                modeloPed.addRow(arreglo);
                lstPed.setModel(modeloPed);

            }

        }
    }//GEN-LAST:event_btnIngActionPerformed

    private void btnEnsaladasActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnEnsaladasActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Ensaladas"));
// TODO add your handling code here:
    }//GEN-LAST:event_btnEnsaladasActionPerformed

    private void btnAgregadosActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnAgregadosActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Agregados"));

    }//GEN-LAST:event_btnAgregadosActionPerformed
```

```
    private void btnEmpanadasActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnEmpanadasActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Empanadas"));

    }//GEN-LAST:event_btnEmpanadasActionPerformed

    private void btnEspActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnEspActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Especiales"));

    }//GEN-LAST:event_btnEspActionPerformed

    private void btnSalirActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnSalirActionPerformed
        if (!lblNombre.getText().equals("ADMIN")) {
            frmLogTouch vLT = new frmLogTouch();
            vLT.setVisible(true);
            this.dispose();
        } else {
            if (lblNombre.getText().equals("ADMIN")) {
                frmLogin vL = new frmLogin();
                vL.setVisible(true);
                this.dispose();
            }
        }

    }//GEN-LAST:event_btnSalirActionPerformed

    private void
btn_nuevoPedidoActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_btn_nuevoPedidoActionPerformed
        frmMesas vM = new frmMesas(user);
        vM.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_btn_nuevoPedidoActionPerformed

    private void btnEntradasActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnEntradasActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Entradas"));
        // TODO add your handling code here:
    }//GEN-LAST:event_btnEntradasActionPerformed
```

```
    private void btnPostresActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnPostresActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Postres"));
        // TODO add your handling code here:
    }//GEN-LAST:event_btnPostresActionPerformed

    private void btnBebestiblesActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnBebestiblesActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Bebestibles"));
        // TODO add your handling code here:
    }//GEN-LAST:event_btnBebestiblesActionPerformed

    private void btnCafeteriaActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnCafeteriaActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Cafeteria"));

    }//GEN-LAST:event_btnCafeteriaActionPerformed

    private void btnMenuDelDíaActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnMenuDelDíaActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Menu del
Dia"));
        // TODO add your handling code here:
    }//GEN-LAST:event_btnMenuDelDíaActionPerformed

    private void btnPobresActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnPobresActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Pobres"));
        // TODO add your handling code here:
    }//GEN-LAST:event_btnPobresActionPerformed

    private void btnSopasActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnSopasActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Sopas"));
        // TODO add your handling code here:
    }//GEN-LAST:event_btnSopasActionPerformed
```

```
    private void btnNiñosActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnNiñosActionPerformed
        modeloMenu = categoriaMenu();
        qProdCat qe = new qProdCat();
        lstMenu.setModel(qe.platosEspeciales(modeloMenu, "Para niños"));
        // TODO add your handling code here:
    }//GEN-LAST:event_btnNiñosActionPerformed

    private void btnQuitarActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnQuitarActionPerformed

        DefaultTableModel modeloPed = new DefaultTableModel();
        qMesas qp = new qMesas();
        qp.cambiarDisponibilidad(me.getCod_mesa(), 1);
        me.setCod_mesa(0);
        categoriaMenu();
        modeloPed.addColumn("Código");
        modeloPed.addColumn("Producto");
        modeloPed.addColumn("Cantidad");
        lstPed.setModel(modeloPed);
        lblMesa.setText(".");


    }//GEN-LAST:event_btnQuitarActionPerformed

    private void btnQuitar1ActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnQuitar1ActionPerformed
        frmPedidosActivosGarzon fPg = new frmPedidosActivosGarzon(user);
        fPg.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_btnQuitar1ActionPerformed

    private int recorrerPedido(String codigo) {
        int existe = 0;

        if (lstPed.getRowCount() != 0) {
            for (int i = 0; i < lstPed.getRowCount(); i++) {

                if (codigo.equals((String) lstPed.getValueAt(i, 0))) {

                    existe = 1;
                    int fila = i;
                    String cant = (String) lstPed.getValueAt(i, 2);
                    int cantaux = Integer.parseInt(cant) + 1;

                    modeloPed.setValueAt(String.valueOf(cantaux), i, 2);
                    lstPed.setModel(modeloPed);

                }
```

```
            }
        }

        return existe;
    }

    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmPedido.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmPedido.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmPedido.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmPedido.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmPedido().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton btnAgregados;
```

```
    private javax.swing.JButton btnBebestibles;
    private javax.swing.JButton btnCafeteria;
    private javax.swing.JButton btnEliminar;
    private javax.swing.JButton btnEmpanadas;
    private javax.swing.JButton btnEnsaladas;
    private javax.swing.JButton btnEntradas;
    private javax.swing.JButton btnEnviar;
    private javax.swing.JButton btnEsp;
    private javax.swing.JButton btnIng;
    private javax.swing.JButton btnMenuDelDía;
    private javax.swing.JButton btnNiños;
    private javax.swing.JButton btnPobres;
    private javax.swing.JButton btnPostres;
    private javax.swing.JButton btnQuitar;
    private javax.swing.JButton btnQuitar1;
    private javax.swing.JButton btnSalir;
    private javax.swing.JButton btnSopas;
    private javax.swing.JButton btn_nuevoPedido;
    private javax.swing.JButton jButton6;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane2;
    private javax.swing.JScrollPane jScrollPane3;
    private javax.swing.JLabel lblMesa;
    private javax.swing.JLabel lblNombre;
    private javax.swing.JTable lstMenu;
    private javax.swing.JTable lstPed;
    // End of variables declaration//GEN-END:variables
}
```

frmAdmin.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <NonVisualComponents>
    <Component class="javax.swing.JMenuItem" name="jMenuItem3">
      <Properties>
        <Property name="text" type="java.lang.String"
value="jMenuItem3"/>
      </Properties>
    </Component>
    <Component class="javax.swing.JMenuItem" name="jMenuItem14">
      <Properties>
        <Property name="text" type="java.lang.String"
value="jMenuItem14"/>
      </Properties>
    </Component>
    <Menu class="javax.swing.JMenuBar" name="jMenuBar1">
      <SubComponents>
        <Menu class="javax.swing.JMenu" name="jMenu1">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Sesi&#xf3;n"/>
          </Properties>
          <SubComponents>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem9">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Cerrar Sesi&#xf3;n"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jMenuItem9ActionPerformed"/>
              </Events>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem10">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Salir"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jMenuItem10ActionPerformed"/>
```

```
              </Events>
            </MenuItem>
          </SubComponents>
        </Menu>
        <Menu class="javax.swing.JMenu" name="jMenu2">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Mantenedores"/>
          </Properties>
          <SubComponents>
            <MenuItem class="javax.swing.JMenuItem" name="jMenu">
              <Properties>
                <Property name="accelerator" type="javax.swing.KeyStroke"
editor="org.netbeans.modules.form.editors.KeyStrokeEditor">
                  <KeyStroke key="Ctrl+M"/>
                </Property>
                <Property name="text" type="java.lang.String"
value="Menu"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="jMenuActionPerformed"/>
              </Events>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem2">
              <Properties>
                <Property name="accelerator" type="javax.swing.KeyStroke"
editor="org.netbeans.modules.form.editors.KeyStrokeEditor">
                  <KeyStroke key="Ctrl+P"/>
                </Property>
                <Property name="text" type="java.lang.String"
value="Proveedores"/>
              </Properties>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem1">
              <Properties>
                <Property name="accelerator" type="javax.swing.KeyStroke"
editor="org.netbeans.modules.form.editors.KeyStrokeEditor">
                  <KeyStroke key="Ctrl+U"/>
                </Property>
                <Property name="text" type="java.lang.String"
value="Usuarios"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="jMenuItem1ActionPerformed"/>
```

```
              </Events>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem4">
              <Properties>
                <Property name="accelerator" type="javax.swing.KeyStroke"
editor="org.netbeans.modules.form.editors.KeyStrokeEditor">
                  <KeyStroke key="Alt+M"/>
                </Property>
                <Property name="text" type="java.lang.String"
value="Meseros"/>
              </Properties>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem6">
              <Properties>
                <Property name="accelerator" type="javax.swing.KeyStroke"
editor="org.netbeans.modules.form.editors.KeyStrokeEditor">
                  <KeyStroke key="Ctrl+I"/>
                </Property>
                <Property name="text" type="java.lang.String"
value="Insumos"/>
              </Properties>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="jMenuItem11">
              <Properties>
                <Property name="accelerator" type="javax.swing.KeyStroke"
editor="org.netbeans.modules.form.editors.KeyStrokeEditor">
                  <KeyStroke key="Shift+M"/>
                </Property>
                <Property name="text" type="java.lang.String"
value="Mesas"/>
              </Properties>
            </MenuItem>
          </SubComponents>
        </Menu>
        <Menu class="javax.swing.JMenu" name="jMenu3">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Inicio"/>
          </Properties>
          <SubComponents>
            <MenuItem class="javax.swing.JMenuItem"
name="mnuStockPlatos">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Stock Platos"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
```

```
parameters="java.awt.event.ActionEvent"
handler="mnuStockPlatosActionPerformed"/>
              </Events>
            </MenuItem>
            <MenuItem class="javax.swing.JMenuItem" name="mnuMonto">
              <Properties>
                <Property name="text" type="java.lang.String"
value="Monto Caja"/>
              </Properties>
              <Events>
                <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="mnuMontoActionPerformed"/>
              </Events>
            </MenuItem>
          </SubComponents>
        </Menu>
      </SubComponents>
    </Menu>
  </NonVisualComponents>
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="menuBar" type="java.lang.String"
value="jMenuBar1"/>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
```

```
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" alignment="0" max="32767"
attributes="0"/>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Container class="javax.swing.JPanel" name="jPanel1">
      <Properties>
        <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
          <Color blue="ff" green="ff" red="ff" type="rgb"/>
        </Property>
      </Properties>

      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" attributes="0">
                  <Component id="lblDat" max="32767" attributes="0"/>
                  <EmptySpace min="-2" pref="318" max="-2"
attributes="0"/>
              </Group>
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="58" max="-2"
attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Group type="102" alignment="0" attributes="0">
                          <Component id="btnCaja1" min="-2" pref="189"
max="-2" attributes="0"/>
                          <EmptySpace min="-2" pref="45" max="-2"
attributes="0"/>
                          <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
                      </Group>
                      <Component id="btnPedido" alignment="0" min="-2"
pref="189" max="-2" attributes="0"/>
                  </Group>
```

```
                <EmptySpace max="32767" attributes="0"/>
            </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" attributes="0">
                  <Group type="103" groupAlignment="1" attributes="0">
                      <Group type="102" attributes="0">
                          <Component id="lblDat" min="-2" pref="28"
max="-2" attributes="0"/>
                          <EmptySpace min="-2" pref="69" max="-2"
attributes="0"/>
                          <Component id="btnCaja1" min="-2" pref="49"
max="-2" attributes="0"/>
                      </Group>
                      <Component id="jLabel2" min="-2" max="-2"
attributes="0"/>
                  </Group>
                  <EmptySpace type="separate" max="-2" attributes="0"/>
                  <Component id="btnPedido" min="-2" pref="49" max="-2"
attributes="0"/>
                  <EmptySpace pref="93" max="32767" attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
      </Layout>
      <SubComponents>
        <Component class="javax.swing.JLabel" name="jLabel2">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/rcimgpeq.jpg"/>
            </Property>
          </Properties>
        </Component>
        <Component class="javax.swing.JLabel" name="lblDat">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="."/>
          </Properties>
        </Component>
        <Component class="javax.swing.JButton" name="btnPedido">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
```

```
              <Image iconType="3" name="/img/btn/btn_pedido.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnPedidoActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnCaja1">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn/btn_caja.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnCaja1ActionPerformed"/>
          </Events>
        </Component>
      </SubComponents>
    </Container>
  </SubComponents>
</Form>
```

frmAdmin.java

```
package frames;

import classes.usuario;
import frames.mantenedores.frmUsuarios;
import frames.mantenedores.frmMenu;
import frames.frmPedido;

/**
 *
 * @author Diego Torres
 */
public class frmAdmin extends javax.swing.JFrame {
    usuario usu= new usuario();

    public frmAdmin() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

    public frmAdmin(usuario usu){
        initComponents();
        this.setLocationRelativeTo(null);
        lblDat.setText(usu.getUser());
        this.usu=usu;
    }



    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jMenuItem3 = new javax.swing.JMenuItem();
        jMenuItem14 = new javax.swing.JMenuItem();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        lblDat = new javax.swing.JLabel();
        btnPedido = new javax.swing.JButton();
        btnCaja1 = new javax.swing.JButton();
        jMenuBar1 = new javax.swing.JMenuBar();
        jMenu1 = new javax.swing.JMenu();
        jMenuItem9 = new javax.swing.JMenuItem();
        jMenuItem10 = new javax.swing.JMenuItem();
        jMenu2 = new javax.swing.JMenu();
        jMenu = new javax.swing.JMenuItem();
        jMenuItem2 = new javax.swing.JMenuItem();
```

```
        jMenuItem1 = new javax.swing.JMenuItem();
        jMenuItem4 = new javax.swing.JMenuItem();
        jMenuItem6 = new javax.swing.JMenuItem();
        jMenuItem11 = new javax.swing.JMenuItem();
        jMenu3 = new javax.swing.JMenu();
        mnuStockPlatos = new javax.swing.JMenuItem();
        mnuMonto = new javax.swing.JMenuItem();

        jMenuItem3.setText("jMenuItem3");

        jMenuItem14.setText("jMenuItem14");

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));

        jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/rcimgpeq.jpg"))); //
NOI18N

        lblDat.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        lblDat.setText(".");

        btnPedido.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/btn_pedido.png")))
; // NOI18N
        btnPedido.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnPedidoActionPerformed(evt);
            }
        });

        btnCaja1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn/btn_caja.png")));
// NOI18N
        btnCaja1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnCaja1ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                .addComponent(lblDat,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(318, 318, 318))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(58, 58, 58)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(btnCaja1,
javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(45, 45, 45)
                        .addComponent(jLabel2))
                    .addComponent(btnPedido,
javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.TRAILING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(lblDat,
javax.swing.GroupLayout.PREFERRED_SIZE, 28,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(69, 69, 69)
                        .addComponent(btnCaja1,
javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addComponent(jLabel2))
                .addGap(18, 18, 18)
                .addComponent(btnPedido,
javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(93, Short.MAX_VALUE))
        );

        jMenu1.setText("Sesión");

        jMenuItem9.setText("Cerrar Sesión");
        jMenuItem9.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem9ActionPerformed(evt);
```

```
            }
        });
        jMenu1.add(jMenuItem9);

        jMenuItem10.setText("Salir");
        jMenuItem10.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem10ActionPerformed(evt);
            }
        });
        jMenu1.add(jMenuItem10);

        jMenuBar1.add(jMenu1);

        jMenu2.setText("Mantenedores");

        jMenu.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.
event.KeyEvent.VK_M, java.awt.event.InputEvent.CTRL_MASK));
        jMenu.setText("Menu");
        jMenu.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuActionPerformed(evt);
            }
        });
        jMenu2.add(jMenu);

        jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java
.awt.event.KeyEvent.VK_P, java.awt.event.InputEvent.CTRL_MASK));
        jMenuItem2.setText("Proveedores");
        jMenu2.add(jMenuItem2);

        jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java
.awt.event.KeyEvent.VK_U, java.awt.event.InputEvent.CTRL_MASK));
        jMenuItem1.setText("Usuarios");
        jMenuItem1.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jMenuItem1ActionPerformed(evt);
            }
        });
        jMenu2.add(jMenuItem1);

        jMenuItem4.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java
.awt.event.KeyEvent.VK_M, java.awt.event.InputEvent.ALT_MASK));
        jMenuItem4.setText("Meseros");
        jMenu2.add(jMenuItem4);
```

```
        jMenuItem6.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java
.awt.event.KeyEvent.VK_I, java.awt.event.InputEvent.CTRL_MASK));
        jMenuItem6.setText("Insumos");
        jMenu2.add(jMenuItem6);

        jMenuItem11.setAccelerator(javax.swing.KeyStroke.getKeyStroke(jav
a.awt.event.KeyEvent.VK_M, java.awt.event.InputEvent.SHIFT_MASK));
        jMenuItem11.setText("Mesas");
        jMenu2.add(jMenuItem11);

        jMenuBar1.add(jMenu2);

        jMenu3.setText("Inicio");

        mnuStockPlatos.setText("Stock Platos");
        mnuStockPlatos.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                mnuStockPlatosActionPerformed(evt);
            }
        });
        jMenu3.add(mnuStockPlatos);

        mnuMonto.setText("Monto Caja");
        mnuMonto.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                mnuMontoActionPerformed(evt);
            }
        });
        jMenu3.add(mnuMonto);

        jMenuBar1.add(jMenu3);

        setJMenuBar(jMenuBar1);

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
```

```
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void jMenuActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_jMenuActionPerformed
            frmMenu vMenu = new frmMenu();
            vMenu.setVisible(true);
            this.dispose();
    }//GEN-LAST:event_jMenuActionPerformed

    private void btnPedidoActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnPedidoActionPerformed
        frmPedido vP =  new frmPedido(usu);
        vP.setVisible(true);
        this.dispose();         // TODO add your handling code here:
    }//GEN-LAST:event_btnPedidoActionPerformed

    private void jMenuItem9ActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_jMenuItem9ActionPerformed
        frmLogin v1 = new frmLogin();
        v1.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_jMenuItem9ActionPerformed

    private void btnCaja1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnCaja1ActionPerformed
         frmCaja vc = new frmCaja(usu);
         vc.setVisible(true);
         this.dispose();
    }//GEN-LAST:event_btnCaja1ActionPerformed

    private void jMenuItem10ActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_jMenuItem10ActionPerformed
    this.dispose();

    }//GEN-LAST:event_jMenuItem10ActionPerformed

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_jMenuItem1ActionPerformed
        frmUsuarios vU = new frmUsuarios();
        vU.setVisible(true);
        this.dispose();         // TODO add your handling code here:
    }//GEN-LAST:event_jMenuItem1ActionPerformed
```

```
    private void mnuStockPlatosActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_mnuStockPlatosActionPerformed
        frmActualizarPlatos vA = new frmActualizarPlatos();
        vA.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_mnuStockPlatosActionPerformed

    private void mnuMontoActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_mnuMontoActionPerformed
        frmIniciar vI = new frmIniciar();
        vI.setVisible(true);
    }//GEN-LAST:event_mnuMontoActionPerformed

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmAdmin.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmAdmin.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmAdmin.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmAdmin.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
```

```
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmAdmin().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton btnCaja1;
    private javax.swing.JButton btnPedido;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JMenuItem jMenu;
    private javax.swing.JMenu jMenu1;
    private javax.swing.JMenu jMenu2;
    private javax.swing.JMenu jMenu3;
    private javax.swing.JMenuBar jMenuBar1;
    private javax.swing.JMenuItem jMenuItem1;
    private javax.swing.JMenuItem jMenuItem10;
    private javax.swing.JMenuItem jMenuItem11;
    private javax.swing.JMenuItem jMenuItem14;
    private javax.swing.JMenuItem jMenuItem2;
    private javax.swing.JMenuItem jMenuItem3;
    private javax.swing.JMenuItem jMenuItem4;
    private javax.swing.JMenuItem jMenuItem6;
    private javax.swing.JMenuItem jMenuItem9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JLabel lblDat;
    private javax.swing.JMenuItem mnuMonto;
    private javax.swing.JMenuItem mnuStockPlatos;
    // End of variables declaration//GEN-END:variables
}
```

frmCaja.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <NonVisualComponents>
    <Component class="javax.swing.ButtonGroup" name="grupoButton">
    </Component>
  </NonVisualComponents>
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
    <Property name="cursor" type="java.awt.Cursor"
editor="org.netbeans.modules.form.editors2.CursorEditor">
      <Color id="Cursor Por defecto"/>
    </Property>
    <Property name="maximumSize" type="java.awt.Dimension"
editor="org.netbeans.beaninfo.editors.DimensionEditor">
      <Dimension value="[2000, 2000]"/>
    </Property>
    <Property name="resizable" type="boolean" value="false"/>
    <Property name="size" type="java.awt.Dimension"
editor="org.netbeans.beaninfo.editors.DimensionEditor">
      <Dimension value="[800, 60]"/>
    </Property>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
```

```
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" min="-2" pref="798" max="-2"
attributes="0"/>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
    <Container class="javax.swing.JPanel" name="jPanel1">
      <Properties>
        <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
          <Color blue="ff" green="ff" red="ff" type="rgb"/>
        </Property>
      </Properties>

      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="48" max="-2"
attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Group type="102" attributes="0">
                          <Component id="lblUser" min="-2" pref="321"
max="-2" attributes="0"/>
                          <EmptySpace min="0" pref="0" max="32767"
attributes="0"/>
                      </Group>
                      <Group type="102" alignment="0" attributes="0">
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Component id="ImgRc" alignment="0" min="-
2" max="-2" attributes="0"/>
                              <Group type="102" alignment="0"
attributes="0">
                                  <EmptySpace min="-2" pref="48" max="-2"
attributes="0"/>
```

```
                                    <Group type="103" groupAlignment="0"
max="-2" attributes="0">
                                        <Component id="btnVolver"
max="32767" attributes="0"/>
                                        <Component id="btmImp" max="32767"
attributes="0"/>
                                        <Component id="BtnSeleccionarMesas"
max="32767" attributes="0"/>
                                        <Component id="btnCs" max="32767"
attributes="0"/>
                                        <Component id="btnCanc" max="32767"
attributes="0"/>
                                        <Component
id="BtnSeleccionarMesas1" alignment="0" max="32767" attributes="0"/>
                                    </Group>
                                </Group>
                            </Group>
                            <EmptySpace min="-2" pref="72" max="-2"
attributes="0"/>
                            <Group type="103" groupAlignment="0"
attributes="0">
                                <Group type="102" attributes="0">
                                    <Component id="jLabel2" max="32767"
attributes="0"/>
                                    <EmptySpace min="-2" pref="28" max="-2"
attributes="0"/>
                                    <Component id="lblTotal" min="-2"
max="-2" attributes="0"/>
                                    <EmptySpace min="-2" pref="384" max="-
2" attributes="0"/>
                                </Group>
                                <Group type="102" attributes="0">
                                    <Component id="lblMesa" min="-2" max="-
2" attributes="0"/>
                                    <EmptySpace min="0" pref="0"
max="32767" attributes="0"/>
                                </Group>
                                <Group type="102" attributes="0">
                                    <Group type="103" groupAlignment="0"
attributes="0">
                                        <Component id="jScrollPane1" min="-
2" pref="327" max="-2" attributes="0"/>
                                        <Component id="btnPagado"
alignment="0" min="-2" pref="208" max="-2" attributes="0"/>
                                        <Group type="102" alignment="0"
attributes="0">
                                            <Component id="jLabel5" min="-
2" pref="66" max="-2" attributes="0"/>
```

```
                                        <EmptySpace max="-2"
attributes="0"/>
                                        <Component id="lblVuelto"
min="-2" pref="175" max="-2" attributes="0"/>
                                    </Group>
                                    <Group type="102" alignment="0"
attributes="0">
                                        <Component id="jLabel3" min="-
2" max="-2" attributes="0"/>
                                        <EmptySpace type="separate"
max="-2" attributes="0"/>
                                        <Group type="103"
groupAlignment="0" attributes="0">
                                            <Component id="txtPaga"
min="-2" pref="171" max="-2" attributes="0"/>
                                            <Group type="102"
attributes="0">
                                                <Component
id="rdbEfectivo" min="-2" max="-2" attributes="0"/>
                                                <EmptySpace max="-2"
attributes="0"/>
                                                <Component id="rdbOtro"
min="-2" max="-2" attributes="0"/>
                                            </Group>
                                        </Group>
                                    </Group>
                                </Group>
                                <EmptySpace max="32767"
attributes="0"/>
                            </Group>
                        </Group>
                    </Group>
                </Group>
            </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="21" max="-2"
attributes="0"/>
                  <Component id="lblUser" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace max="-2" attributes="0"/>
                  <Group type="103" groupAlignment="0" attributes="0">
                      <Component id="ImgRc" min="-2" pref="129" max="-2"
attributes="0"/>
                  <Group type="102" alignment="0" attributes="0">
```

```
                        <EmptySpace min="-2" pref="39" max="-2"
attributes="0"/>
                        <Component id="lblMesa" min="-2" pref="26"
max="-2" attributes="0"/>
                    </Group>
                </Group>
                <Group type="103" groupAlignment="0" attributes="0">
                    <Group type="102" alignment="0" attributes="0">
                        <EmptySpace min="-2" pref="41" max="-2"
attributes="0"/>
                        <Component id="BtnSeleccionarMesas" min="-2"
max="-2" attributes="0"/>
                        <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                        <Component id="btmImp" min="-2" max="-2"
attributes="0"/>
                        <EmptySpace type="separate" max="-2"
attributes="0"/>
                        <Component id="btnCanc" min="-2" max="-2"
attributes="0"/>
                        <EmptySpace min="-2" pref="13" max="-2"
attributes="0"/>
                        <Component id="BtnSeleccionarMesas1" min="-2"
max="-2" attributes="0"/>
                        <EmptySpace type="separate" max="-2"
attributes="0"/>
                        <Component id="btnCs" min="-2" max="-2"
attributes="0"/>
                        <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                        <Component id="btnVolver" min="-2" pref="52"
max="-2" attributes="0"/>
                    </Group>
                    <Group type="102" alignment="0" attributes="0">
                        <EmptySpace max="-2" attributes="0"/>
                        <Component id="jScrollPane1" min="-2"
pref="322" max="-2" attributes="0"/>
                        <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                        <Group type="103" groupAlignment="3"
attributes="0">
                            <Component id="jLabel2" alignment="3"
min="-2" pref="33" max="-2" attributes="0"/>
                            <Component id="lblTotal" alignment="3"
min="-2" max="-2" attributes="0"/>
                        </Group>
                        <EmptySpace max="-2" attributes="0"/>
                        <Group type="103" groupAlignment="3"
attributes="0">
```

```
                            <Component id="jLabel3" alignment="3"
min="-2" pref="33" max="-2" attributes="0"/>
                            <Component id="rdbEfectivo" alignment="3"
min="-2" max="-2" attributes="0"/>
                            <Component id="rdbOtro" alignment="3"
min="-2" max="-2" attributes="0"/>
                        </Group>
                        <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                        <Component id="txtPaga" min="-2" max="-2"
attributes="0"/>
                    </Group>
                </Group>
                <EmptySpace min="-2" pref="10" max="-2"
attributes="0"/>
                <Group type="103" groupAlignment="3" attributes="0">
                    <Component id="jLabel5" alignment="3" min="-2"
pref="33" max="-2" attributes="0"/>
                    <Component id="lblVuelto" alignment="3" min="-2"
max="-2" attributes="0"/>
                </Group>
                <EmptySpace type="separate" max="-2" attributes="0"/>
                <Component id="btnPagado" min="-2" max="-2"
attributes="0"/>
                <EmptySpace pref="51" max="32767" attributes="0"/>
            </Group>
        </Group>
      </DimensionLayout>
    </Layout>
    <SubComponents>
      <Container class="javax.swing.JScrollPane" name="jScrollPane1">
        <AuxValues>
          <AuxValue name="autoScrollPane" type="java.lang.Boolean"
value="true"/>
        </AuxValues>

        <Layout
class="org.netbeans.modules.form.compat2.layouts.support.JScrollPaneSuppo
rtLayout"/>
        <SubComponents>
          <Component class="javax.swing.JTable" name="lstDetalle">
            <Properties>
              <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
                <Font name="Tahoma" size="14" style="0"/>
              </Property>
              <Property name="model"
type="javax.swing.table.TableModel"
editor="org.netbeans.modules.form.editors2.TableModelEditor">
```

```
                <Table columnCount="4" rowCount="4">
                  <Column editable="true" title="Title 1"
type="java.lang.Object"/>
                  <Column editable="true" title="Title 2"
type="java.lang.Object"/>
                  <Column editable="true" title="Title 3"
type="java.lang.Object"/>
                  <Column editable="true" title="Title 4"
type="java.lang.Object"/>
                </Table>
              </Property>
            </Properties>
          </Component>
        </SubComponents>
      </Container>
      <Component class="javax.swing.JButton" name="btmImp">
        <Properties>
          <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
            <Image iconType="3" name="/img/btn_imp.png"/>
          </Property>
        </Properties>
      </Component>
      <Component class="javax.swing.JButton" name="btnCs">
        <Properties>
          <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
            <Image iconType="3" name="/img/btn_cerrarSesion.png"/>
          </Property>
        </Properties>
        <Events>
          <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent" handler="btnCsActionPerformed"/>
        </Events>
      </Component>
      <Component class="javax.swing.JLabel" name="lblMesa">
        <Properties>
          <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
            <Font name="Tahoma" size="18" style="0"/>
          </Property>
          <Property name="text" type="java.lang.String"
value="Detalle:"/>
        </Properties>
      </Component>
      <Component class="javax.swing.JButton" name="btnPagado">
        <Properties>
```

```
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn_pag.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnPagadoActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnCanc">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn_can.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnCancActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JLabel" name="ImgRc">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/rcimgpeq.jpg"/>
            </Property>
          </Properties>
        </Component>
        <Component class="javax.swing.JButton"
name="BtnSeleccionarMesas">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn_selMesa.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="BtnSeleccionarMesasActionPerformed"/>
          </Events>
        </Component>
```

```
        <Component class="javax.swing.JButton"
name="BtnSeleccionarMesas1">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/btn_arqueo.png"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="BtnSeleccionarMesas1ActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel2">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Total:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel5">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Vuelto:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JLabel" name="lblUser">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Usuario:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JButton" name="btnVolver">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Volver"/>
```

```
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnVolverActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel3">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Paga
con:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JTextField" name="txtPaga">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
          </Properties>
          <Events>
            <EventHandler event="keyReleased"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="txtPagaKeyReleased"/>
            <EventHandler event="keyTyped"
listener="java.awt.event.KeyListener"
parameters="java.awt.event.KeyEvent" handler="txtPagaKeyTyped"/>
          </Events>
        </Component>
        <Component class="javax.swing.JLabel" name="lblTotal">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
            <Property name="foreground" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="0" green="0" red="cc" type="rgb"/>
            </Property>
          </Properties>
        </Component>
        <Component class="javax.swing.JLabel" name="lblVuelto">
          <Properties>
```

```
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="14" style="1"/>
            </Property>
            <Property name="foreground" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="0" green="cc" red="0" type="rgb"/>
            </Property>
            <Property name="text" type="java.lang.String" value="."/>
          </Properties>
        </Component>
        <Component class="javax.swing.JRadioButton" name="rdbEfectivo">
          <Properties>
            <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="buttonGroup" type="javax.swing.ButtonGroup"
editor="org.netbeans.modules.form.RADComponent$ButtonGroupPropertyEditor"
>
              <ComponentRef name="grupoButton"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Efectivo"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JRadioButton" name="rdbOtro">
          <Properties>
            <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
              <Color blue="ff" green="ff" red="ff" type="rgb"/>
            </Property>
            <Property name="buttonGroup" type="javax.swing.ButtonGroup"
editor="org.netbeans.modules.form.RADComponent$ButtonGroupPropertyEditor"
>
              <ComponentRef name="grupoButton"/>
            </Property>
            <Property name="text" type="java.lang.String" value="Otro
Medio de Pago"/>
          </Properties>
        </Component>
      </SubComponents>
    </Container>
  </SubComponents>
</Form>
```

frmCaja.java

```
package frames;

import Querys.qArqueo;
import Querys.qMesas;
import Querys.qPedido;
import Querys.qPedidoProducto;
import Querys.qUsuario;
import Querys.qArqueo;
import classes.pedido;
import classes.usuario;
import classes.validaciones;
import java.util.HashSet;
import java.util.concurrent.TimeUnit;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author Usuario
 */
public class frmCaja extends javax.swing.JFrame {
usuario user= new usuario();
DefaultTableModel modeloDetalle = new DefaultTableModel();
qPedido qp = new qPedido();
pedido ped = new pedido();
qMesas qm = new qMesas();
qUsuario qu = new qUsuario();


    public frmCaja() {
        initComponents();
        this.setLocationRelativeTo(null);

    }


    public frmCaja(usuario user){
        initComponents();
        this.user =user;
        lblUser.setText("Usuario: "+ user.getUser());
        this.setLocationRelativeTo(null);
        if (qu.consultarPermisos(user) ==1){
        btnVolver.setVisible(true);
        }else
            btnVolver.setVisible(false);

    }
```

```
    public frmCaja(usuario user, pedido ped){
        initComponents();
        DefaultTableModel modelo = new DefaultTableModel();
        modelo.addColumn("Producto");
        modelo.addColumn("Cantidad");
        modelo.addColumn("SubTotal");
        lstDetalle.setModel(modelo);
        this.user=user;
        this.ped = ped;
        lblUser.setText("Usuario: "+ user.getUser());
         this.setLocationRelativeTo(null);
         qUsuario qu = new qUsuario();
        lblMesa.setText("Detalle mesa " + ped.getCod_mesa() + "\n  Código
Pedido: " + ped.getCod_pedido());
        if (qu.consultarPermisos(user) ==1){
        btnVolver.setVisible(true);
        }else
            btnVolver.setVisible(false);
        qPedidoProducto qpp = new qPedidoProducto();
        lstDetalle.setModel(qpp.cargarDetalle(ped.getCod_pedido()));
        lblTotal.setText(Integer.toString(calcularTotal()));
    }


   private int calcularTotal(){
    int total = 0;
    String suma = "";
    int sumaux = 0;

         for (int i = 0; i < lstDetalle.getRowCount(); i++) {
             suma = (String) lstDetalle.getValueAt(i,2) ;
             sumaux = Integer.parseInt(suma);
             total = total + sumaux ;
         }
    return total;
   }
    /**
     * This method is called from within the constructor to initialize
the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {
```

```
        grupoButton = new javax.swing.ButtonGroup();
        jPanel1 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        lstDetalle = new javax.swing.JTable();
        btmImp = new javax.swing.JButton();
        btnCs = new javax.swing.JButton();
        lblMesa = new javax.swing.JLabel();
        btnPagado = new javax.swing.JButton();
        btnCanc = new javax.swing.JButton();
        ImgRc = new javax.swing.JLabel();
        BtnSeleccionarMesas = new javax.swing.JButton();
        BtnSeleccionarMesas1 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        lblUser = new javax.swing.JLabel();
        btnVolver = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        txtPaga = new javax.swing.JTextField();
        lblTotal = new javax.swing.JLabel();
        lblVuelto = new javax.swing.JLabel();
        rdbEfectivo = new javax.swing.JRadioButton();
        rdbOtro = new javax.swing.JRadioButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);
        setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
        setMaximumSize(new java.awt.Dimension(2000, 2000));
        setResizable(false);
        setSize(new java.awt.Dimension(800, 60));

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));

        lstDetalle.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        lstDetalle.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
        ));
        jScrollPane1.setViewportView(lstDetalle);

        btmImp.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn_imp.png"))); //
NOI18N
```

```
        btnCs.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn_cerrarSesion.png")
)); // NOI18N
        btnCs.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnCsActionPerformed(evt);
            }
        });

        lblMesa.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        lblMesa.setText("Detalle:");

        btnPagado.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn_pag.png"))); //
NOI18N
        btnPagado.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnPagadoActionPerformed(evt);
            }
        });

        btnCanc.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn_can.png"))); //
NOI18N
        btnCanc.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnCancActionPerformed(evt);
            }
        });

        ImgRc.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/rcimgpeq.jpg"))); //
NOI18N

        BtnSeleccionarMesas.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn_selMesa.png")));
// NOI18N
        BtnSeleccionarMesas.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                BtnSeleccionarMesasActionPerformed(evt);
            }
        });

        BtnSeleccionarMesas1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/btn_arqueo.png"))); //
NOI18N
```

```
        BtnSeleccionarMesas1.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                BtnSeleccionarMesas1ActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel2.setText("Total:");

        jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel5.setText("Vuelto:");

        lblUser.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        lblUser.setText("Usuario:");

        btnVolver.setText("Volver");
        btnVolver.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnVolverActionPerformed(evt);
            }
        });

        jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel3.setText("Paga con:");

        txtPaga.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        txtPaga.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtPagaKeyReleased(evt);
            }
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPagaKeyTyped(evt);
            }
        });

        lblTotal.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        lblTotal.setForeground(new java.awt.Color(204, 0, 0));

        lblVuelto.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        lblVuelto.setForeground(new java.awt.Color(0, 204, 0));
        lblVuelto.setText(".");

        rdbEfectivo.setBackground(new java.awt.Color(255, 255, 255));
        grupoButton.add(rdbEfectivo);
        rdbEfectivo.setText("Efectivo");

        rdbOtro.setBackground(new java.awt.Color(255, 255, 255));
        grupoButton.add(rdbOtro);
```

```
        rdbOtro.setText("Otro Medio de Pago");

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(48, 48, 48)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(lblUser,
javax.swing.GroupLayout.PREFERRED_SIZE, 321,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(0, 0, Short.MAX_VALUE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(ImgRc)
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addGap(48, 48, 48)
                                .addGroup(jPanel1Layout.createParallelGro
up(javax.swing.GroupLayout.Alignment.LEADING, false)
                                    .addComponent(btnVolver,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(btmImp,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(BtnSeleccionarMesas,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(btnCs,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(btnCanc,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(BtnSeleccionarMesas1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))
                        .addGap(72, 72, 72)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup
()
```

```
                                .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addGap(28, 28, 28)
                                .addComponent(lblTotal1)
                                .addGap(384, 384, 384))
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addComponent(lblMesa)
                                .addGap(0, 0, Short.MAX_VALUE))
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addGroup(jPanel1Layout.createParallelGro
up(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 327,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(btnPagado,
javax.swing.GroupLayout.PREFERRED_SIZE, 208,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addGroup(jPanel1Layout.createSequent
ialGroup()
                                        .addComponent(jLabel5,
javax.swing.GroupLayout.PREFERRED_SIZE, 66,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addPreferredGap(javax.swing.Layo
utStyle.ComponentPlacement.RELATED)
                                        .addComponent(lblVuelto,
javax.swing.GroupLayout.PREFERRED_SIZE, 175,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addGroup(jPanel1Layout.createSequent
ialGroup()
                                        .addComponent(jLabel3)
                                        .addGap(18, 18, 18)
                                        .addGroup(jPanel1Layout.createPar
allelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                            .addComponent(txtPaga,
javax.swing.GroupLayout.PREFERRED_SIZE, 171,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addGroup(jPanel1Layout.creat
eSequentialGroup()
                                                .addComponent(rdbEfectivo
)
                                                .addPreferredGap(javax.sw
ing.LayoutStyle.ComponentPlacement.RELATED)
                                                .addComponent(rdbOtro))))
)
                                .addContainerGap(javax.swing.GroupLayout.
DEFAULT_SIZE, Short.MAX_VALUE))))))
```

```
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(21, 21, 21)
                .addComponent(lblUser)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addComponent(ImgRc,
javax.swing.GroupLayout.PREFERRED_SIZE, 129,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(39, 39, 39)
                        .addComponent(lblMesa,
javax.swing.GroupLayout.PREFERRED_SIZE, 26,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(41, 41, 41)
                        .addComponent(BtnSeleccionarMesas)
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.UNRELATED)
                        .addComponent(btmImp)
                        .addGap(18, 18, 18)
                        .addComponent(btnCanc)
                        .addGap(13, 13, 13)
                        .addComponent(BtnSeleccionarMesas1)
                        .addGap(18, 18, 18)
                        .addComponent(btnCs)
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.UNRELATED)
                        .addComponent(btnVolver,
javax.swing.GroupLayout.PREFERRED_SIZE, 52,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.RELATED)
                        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 322,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.UNRELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.BASELINE)
```

```
                            .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(lblTotal))
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.RELATED)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(rdbEfectivo)
                            .addComponent(rdbOtro))
                        .addPreferredGap(javax.swing.LayoutStyle.Componen
tPlacement.UNRELATED)
                        .addComponent(txtPaga,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(10, 10, 10)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.BASELINE)
                    .addComponent(jLabel5,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(lblVuelto))
                .addGap(18, 18, 18)
                .addComponent(btnPagado)
                .addContainerGap(51, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 798,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );
```

```
        pack();
    }// </editor-fold>//GEN-END:initComponents

    private void btnCsActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnCsActionPerformed
        frmLogin vl = new frmLogin();
        vl.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_btnCsActionPerformed

    private void btnVolverActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnVolverActionPerformed
        frmAdmin vA = new frmAdmin(user);
        vA.setVisible(true);
        this.dispose();
    }//GEN-LAST:event_btnVolverActionPerformed

    private void
BtnSeleccionarMesasActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_BtnSeleccionarMesasActionPerformed
            frmPedidosActivos frmPA = new frmPedidosActivos(user);
            frmPA.setVisible(true);
            this.dispose();

    }//GEN-LAST:event_BtnSeleccionarMesasActionPerformed

    private void txtPagaKeyReleased(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_txtPagaKeyReleased

        lblVuelto.setText(Integer.toString((Integer.parseInt(txtPaga.getT
ext()) - Integer.parseInt(lblTotal.getText()))));
    }//GEN-LAST:event_txtPagaKeyReleased

    private void btnPagadoActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnPagadoActionPerformed
        if(rdbOtro.isSelected()){
           ped.setTipo_pago(1);
        }else{
            ped.setTipo_pago(0);
            qArqueo qA = new qArqueo();
            qA.sumarTotal(Integer.parseInt(lblTotal.getText()));
        }
        JOptionPane.showMessageDialog(null,"Pedido pagado");
        qp.cerrarPedido(ped.getCod_pedido(),Integer.parseInt(lblTotal.get
Text()),ped.getTipo_pago());
        qm.cambiarDisponibilidad(ped.getCod_mesa(),1);
        frmCaja fC = new frmCaja(user);
        fC.setVisible(true);
```

```
        this.dispose();

    }//GEN-LAST:event_btnPagadoActionPerformed

    private void txtPagaKeyTyped(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_txtPagaKeyTyped
            validaciones validar = new validaciones();
            validar.solonumerospositivos(evt);// TODO add your handling
code here:
    }//GEN-LAST:event_txtPagaKeyTyped

    private void
BtnSeleccionarMesas1ActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_BtnSeleccionarMesas1ActionPerformed
            frmArqueo fA = new frmArqueo(user);
            fA.setVisible(true);// TODO add your handling code here:
    }//GEN-LAST:event_BtnSeleccionarMesas1ActionPerformed

    private void btnCancActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnCancActionPerformed
        // TODO add your handling code here:
    }//GEN-LAST:event_btnCancActionPerformed

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmCaja.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
```

```
            java.util.logging.Logger.getLogger(frmCaja.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmCaja.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmCaja.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmCaja().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton BtnSeleccionarMesas;
    private javax.swing.JButton BtnSeleccionarMesas1;
    private javax.swing.JLabel ImgRc;
    private javax.swing.JButton btmImp;
    private javax.swing.JButton btnCanc;
    private javax.swing.JButton btnCs;
    private javax.swing.JButton btnPagado;
    private javax.swing.JButton btnVolver;
    private javax.swing.ButtonGroup grupoButton;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JLabel lblMesa;
    private javax.swing.JLabel lblTotal;
    private javax.swing.JLabel lblUser;
    private javax.swing.JLabel lblVuelto;
    private javax.swing.JTable lstDetalle;
    private javax.swing.JRadioButton rdbEfectivo;
    private javax.swing.JRadioButton rdbOtro;
    private javax.swing.JTextField txtPaga;
    // End of variables declaration//GEN-END:variables
}
```

frmLogin.form

```
<?xml version="1.0" encoding="UTF-8" ?>

<Form version="1.3" maxVersion="1.9"
type="org.netbeans.modules.form.forminfo.JFrameFormInfo">
  <Properties>
    <Property name="defaultCloseOperation" type="int" value="3"/>
    <Property name="resizable" type="boolean" value="false"/>
  </Properties>
  <SyntheticProperties>
    <SyntheticProperty name="formSizePolicy" type="int" value="1"/>
    <SyntheticProperty name="generateCenter" type="boolean"
value="false"/>
  </SyntheticProperties>
  <AuxValues>
    <AuxValue name="FormSettings_autoResourcing" type="java.lang.Integer"
value="0"/>
    <AuxValue name="FormSettings_autoSetComponentName"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_generateFQN" type="java.lang.Boolean"
value="true"/>
    <AuxValue name="FormSettings_generateMnemonicsCode"
type="java.lang.Boolean" value="false"/>
    <AuxValue name="FormSettings_i18nAutoMode" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_layoutCodeTarget"
type="java.lang.Integer" value="1"/>
    <AuxValue name="FormSettings_listenerGenerationStyle"
type="java.lang.Integer" value="0"/>
    <AuxValue name="FormSettings_variablesLocal" type="java.lang.Boolean"
value="false"/>
    <AuxValue name="FormSettings_variablesModifier"
type="java.lang.Integer" value="2"/>
  </AuxValues>

  <Layout>
    <DimensionLayout dim="0">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
      </Group>
    </DimensionLayout>
    <DimensionLayout dim="1">
      <Group type="103" groupAlignment="0" attributes="0">
          <Component id="jPanel1" min="-2" max="-2" attributes="0"/>
      </Group>
    </DimensionLayout>
  </Layout>
  <SubComponents>
```

```
    <Container class="javax.swing.JPanel" name="jPanel1">
      <Properties>
        <Property name="background" type="java.awt.Color"
editor="org.netbeans.beaninfo.editors.ColorEditor">
          <Color blue="ff" green="ff" red="ff" type="rgb"/>
        </Property>
        <Property name="border" type="javax.swing.border.Border"
editor="org.netbeans.modules.form.editors2.BorderEditor">
          <Border
info="org.netbeans.modules.form.compat2.border.MatteColorBorderInfo">
            <MatteColorBorder/>
          </Border>
        </Property>
      </Properties>

      <Layout>
        <DimensionLayout dim="0">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <EmptySpace min="-2" pref="24" max="-2"
attributes="0"/>
                  <Group type="103" groupAlignment="1" attributes="0">
                      <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                      <Group type="102" attributes="0">
                          <Group type="103" groupAlignment="1"
attributes="0">
                              <Component id="btnAceptar" min="-2" max="-
2" attributes="0"/>
                              <Group type="102" attributes="0">
                                  <Component id="lblNombre" min="-2"
max="-2" attributes="0"/>
                                  <EmptySpace type="unrelated" max="-2"
attributes="0"/>
                                  <Component id="txtUsu" min="-2"
pref="161" max="-2" attributes="0"/>
                              </Group>
                          </Group>
                          <EmptySpace min="-2" pref="40" max="-2"
attributes="0"/>
                          <Group type="103" groupAlignment="0"
attributes="0">
                              <Group type="102" attributes="0">
                                  <Component id="jLabel2" min="-2" max="-
2" attributes="0"/>
                                  <EmptySpace max="-2" attributes="0"/>
                                  <Component id="txtPass" min="-2"
pref="161" max="-2" attributes="0"/>
                              </Group>
```

```
                            <Component id="btnSalir" min="-2" pref="71"
max="-2" attributes="0"/>
                        </Group>
                    </Group>
                </Group>
                <EmptySpace pref="33" max="32767" attributes="0"/>
            </Group>
          </Group>
        </DimensionLayout>
        <DimensionLayout dim="1">
          <Group type="103" groupAlignment="0" attributes="0">
              <Group type="102" alignment="0" attributes="0">
                  <Component id="jLabel1" min="-2" max="-2"
attributes="0"/>
                  <EmptySpace min="-2" pref="51" max="-2"
attributes="0"/>
                  <Group type="103" groupAlignment="3" attributes="0">
                      <Component id="jLabel2" alignment="3" min="-2"
max="-2" attributes="0"/>
                      <Component id="txtUsu" alignment="3" min="-2"
max="-2" attributes="0"/>
                      <Component id="lblNombre" alignment="3" min="-2"
max="-2" attributes="0"/>
                      <Component id="txtPass" alignment="3" min="-2"
max="-2" attributes="0"/>
                  </Group>
                  <EmptySpace min="-2" pref="28" max="-2"
attributes="0"/>
                  <Group type="103" groupAlignment="3" attributes="0">
                      <Component id="btnAceptar" alignment="3" min="-2"
max="-2" attributes="0"/>
                      <Component id="btnSalir" alignment="3" min="-2"
max="-2" attributes="0"/>
                  </Group>
                  <EmptySpace pref="27" max="32767" attributes="0"/>
              </Group>
          </Group>
        </DimensionLayout>
      </Layout>
      <SubComponents>
        <Component class="javax.swing.JLabel" name="jLabel1">
          <Properties>
            <Property name="icon" type="javax.swing.Icon"
editor="org.netbeans.modules.form.editors2.IconEditor">
              <Image iconType="3" name="/img/rcimg.jpg"/>
            </Property>
          </Properties>
        </Component>
        <Component class="javax.swing.JButton" name="btnAceptar">
```

```
          <Properties>
            <Property name="text" type="java.lang.String"
value="Aceptar"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnAceptarActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JButton" name="btnSalir">
          <Properties>
            <Property name="text" type="java.lang.String" value="Salir"/>
          </Properties>
          <Events>
            <EventHandler event="actionPerformed"
listener="java.awt.event.ActionListener"
parameters="java.awt.event.ActionEvent"
handler="btnSalirActionPerformed"/>
          </Events>
        </Component>
        <Component class="javax.swing.JLabel" name="lblNombre">
          <Properties>
            <Property name="font" type="java.awt.Font"
editor="org.netbeans.beaninfo.editors.FontEditor">
              <Font name="Tahoma" size="12" style="0"/>
            </Property>
            <Property name="text" type="java.lang.String"
value="Usuario:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JTextField" name="txtUsu">
        </Component>
        <Component class="javax.swing.JLabel" name="jLabel2">
          <Properties>
            <Property name="text" type="java.lang.String"
value="Contrase&#xf1;a:"/>
          </Properties>
        </Component>
        <Component class="javax.swing.JPasswordField" name="txtPass">
        </Component>
      </SubComponents>
    </Container>
  </SubComponents>
</Form>
```

frmLogin.java

```
package frames;

import Querys.qArqueo;
import Querys.qUsuario;
import classes.usuario;
import javax.swing.JOptionPane;
import java.awt.event.KeyAdapter;
import java.awt.event.KeyEvent;

public class frmLogin extends javax.swing.JFrame {

    public frmLogin() {
        initComponents();
        this.setLocationRelativeTo(null);
        btnAceptar.addKeyListener(new PresionarTecla());

    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-
BEGIN:initComponents
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        btnAceptar = new javax.swing.JButton();
        btnSalir = new javax.swing.JButton();
        lblNombre = new javax.swing.JLabel();
        txtUsu = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        txtPass = new javax.swing.JPasswordField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOS
E);
        setResizable(false);

        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setBorder(new javax.swing.border.MatteBorder(null));

        jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/img/rcimg.jpg"))); //
NOI18N

        btnAceptar.setText("Aceptar");
        btnAceptar.addActionListener(new java.awt.event.ActionListener()
{
            public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
                btnAceptarActionPerformed(evt);
            }
        });

        btnSalir.setText("Salir");
        btnSalir.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnSalirActionPerformed(evt);
            }
        });

        lblNombre.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
        lblNombre.setText("Usuario:");

        jLabel2.setText("Contraseña:");

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(24, 24, 24)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.TRAILING)
                    .addComponent(jLabel1)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.TRAILING)
                            .addComponent(btnAceptar)
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addComponent(lblNombre)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.UNRELATED)
                                .addComponent(txtUsu,
javax.swing.GroupLayout.PREFERRED_SIZE, 161,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGap(40, 40, 40)
                        .addGroup(jPanel1Layout.createParallelGroup(javax
.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup
()
                                .addComponent(jLabel2)
                                .addPreferredGap(javax.swing.LayoutStyle.
ComponentPlacement.RELATED)
```

```
                                .addComponent(txtPass,
javax.swing.GroupLayout.PREFERRED_SIZE, 161,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addComponent(btnSalir,
javax.swing.GroupLayout.PREFERRED_SIZE, 71,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addContainerGap(33, Short.MAX_VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel1)
                .addGap(51, 51, 51)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(txtUsu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(lblNombre)
                    .addComponent(txtPass,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(28, 28, 28)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.BASELINE)
                    .addComponent(btnAceptar)
                    .addComponent(btnSalir))
                .addContainerGap(27, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
```

```
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
    }// </editor-fold>//GEN-END:initComponents
public class PresionarTecla extends KeyAdapter {

        public void keyPressed(KeyEvent ke) {
            if (ke.getKeyCode() == KeyEvent.VK_ENTER) {
                btnAceptarActionPerformed(null);
            }
        }
    }
    private void btnAceptarActionPerformed(java.awt.event.ActionEvent
evt) {//GEN-FIRST:event_btnAceptarActionPerformed
        qUsuario qu = new qUsuario();
        usuario usu = new usuario();
        usu.setUser(txtUsu.getText());
        usu.setPass(txtPass.getText());

        if (qu.consultarUsuario(usu) == 1) {
            switch (qu.consultarPermisos(usu)) {
                case 1:
                    frmAdmin vAdm = new frmAdmin(usu);
                    vAdm.setVisible(true);
                    this.dispose();
                    break;
                case 2:
                    qArqueo qAr = new qArqueo();
                    int abierto = qAr.consultarCajaAbierta();
                    if (abierto == 1) {
                        frmCaja vCaj = new frmCaja(usu);
                        vCaj.setVisible(true);
                        this.dispose();
                    }else{
                        JOptionPane.showMessageDialog(null,"Caja cerrada.
\n Póngase en contacto con el Administrador");
                    }
                    break;
                case 3:

                    System.out.println(usu.getCodMesero());
                    frmPedido vPed = new frmPedido(usu);
                    vPed.setVisible(true);
                    this.dispose();
```

```
            }
        } else {
            JOptionPane.showMessageDialog(null, "Usuario o contraseña
incorrecta");
        }

    }//GEN-LAST:event_btnAceptarActionPerformed

    private void btnSalirActionPerformed(java.awt.event.ActionEvent evt)
{//GEN-FIRST:event_btnSalirActionPerformed
        this.dispose();        // TODO add your handling code here:
    }//GEN-LAST:event_btnSalirActionPerformed

    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel
setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay
with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassNam
e());
                    break;

                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(frmLogin.class
                    .getName()).log(java.util.logging.Level.SEVERE, null,
ex);

        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmLogin.class
                    .getName()).log(java.util.logging.Level.SEVERE, null,
ex);

        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmLogin.class
                    .getName()).log(java.util.logging.Level.SEVERE, null,
ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmLogin.class
```

```
                    .getName()).log(java.util.logging.Level.SEVERE, null,
ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new frmLogin().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton btnAceptar;
    private javax.swing.JButton btnSalir;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JLabel lblNombre;
    private javax.swing.JPasswordField txtPass;
    private javax.swing.JTextField txtUsu;
    // End of variables declaration//GEN-END:variables
}
```